

## IAA MODEL CURRICULUM IN ACCOUNTING - 2024

### BACHELOR OF ACCOUNTING RESEARCH DEGREE

(As per UGC Curriculum and Credit Framework for Undergraduate Courses)

#### Objectives of the qualification:

The qualification aims to:

*Enhance the student's knowledge and understanding of the methods and techniques relevant to accountancy, including specific competencies in the fields of accounting and external reporting, auditing and assurance, management decision making and control, taxation, and financial management as well as understanding of how to apply such knowledge in a particular context,*

*The curriculum is designed to include and address all the mentioned competency areas, as well as to develop personal attributes, ethical behaviour and professionalism and life-long learning skills.*

*The curriculum compiled for this programme equips students with specialised knowledge, skills, attitudes and competencies needed for the professional behaviour and practices expected of a graduate proposing to enter the profession of accountancy.*

#### Classification of Courses of Study to be Offered

Semester	Major Course (MA) = 4+1 Credits each	Minor Course (MI) = 4+1 Credits each	Multi-Disciplinary Course (MDC) = 3/4 Credits each	Ability Enhancement Course (AEC) = 3/4 Credits each	Skill Enhancement Course (SEC) = 3 credits each Research/ Internship 2/4 credits each	Value Added Course (VAC) = 2/4 Credits each	Total credits
Pre-requisite Courses	PRC1 PRC2						NIL
I	2 MA (100-199 level)		1 MDC	1 AEC		1 VAC	20
II	2 MA (100-199 level)		1 MDC		1 SEC	1 VAC	20+2*
Total	20		8	3	3	4+2*	40
III	2 MA (200-299 level)		1 MDC	1 AEC		1 VAC	20
IV	2 MA (200-299 level)	1 MI (200-299 level)			1 SEC	1 VAC	20+2*
Total	20	5	4	3	3	4+2*	80
V	2 MA	2 MI					20

	(300-399 level)	(200-299 level)					
VI	2 MA (300-399 level)	1MI (200-299 level)			1SEC		20+2*
Total	20	15			3	38+2*	120
Honours VII	2 MA (400-499 level)	2MI (300-399 level)					20
Honours VIII	2 MA (400-499 level)	2MI (300-399 level)					20
Total	20	20					160
Honours Research VII	2 MA (400-499 level)	2MI (300-399 level)					20
Honours Research VIII	2 MA (400-499 level)				Research Project/ Dissertation		22
Total	60/80	24/32	09	08	(09)+(02/04 ) + (12)	06 - 08	162

**Notes: (1) Symbols used:** MA-Major Course; MI-Minor Course; MDC – Multidisciplinary Course; AEC- Ability Enhancement Course; SEC- Skill Enhancement Course; VAC -Value Added Course; PRC- Pre-requisite Course.

(2) \* Credits for Internship - 02/04.

#### (a) PRE-REQUISITE COURSES

Paper	Course*	Level	Semester	Credits
PRC1	Financial Accounting I	0-99	I	Nil
PRC2	Financial Accounting II	0-99	I	Nil

#### **PAPER BAacctgPRC1: FINANCIAL ACCOUNTING I:**

##### **Course objective:**

The course aims to

*To Provide conceptual knowledge of accounting and to lay foundation for future applications in business.*

*To acquaint students with basic accounting concepts and accounting standards.*

*To develop an understanding about recording of business transactions and preparation of subsidiary books and trial balance to test the mathematical accuracy of recordings.*

*To provide knowledge and understanding of financial statements of a business.*

##### **Course Contents:**

**Unit-I: Conceptual Framework:** Accounting-Meaning, Definition, Functions, Objectives, Advantages, Accounting as an information system, Users of financial accounting information and their needs, Important accounting terminology, Principles of accounting – concepts and conventions, Accounting- concept, meaning, as a source of information, objectives, advantages and limitations, types of accounting information; users of accounting information and their needs. Qualitative Characteristics of Accounting Information. Role of Accounting in Business.

Basic Accounting Terms- Entity, Business Transaction, Capital, Drawings. Liabilities (Non-Current and Current). Assets (Non-Current, Current); Expenditure (Capital and Revenue), Expense, Revenue, Income, Profit, Gain, Loss, Purchases, Sales, Goods, Stock, Debtor, Creditor, Voucher, Discount (Trade discount and Cash Discount) Theory Base of Accounting

Introduction

**Unit-II: Accounting Process:** Journal, Ledger, Trial Balance, Financial Statements (overview), Capital Expenditure (and Receipts), Revenue Expenditure (and Receipts) and Deferred Revenue Expenditure, Branches of Accounting, Accounting cycle, Systems of accounting, Approaches to accounting, Types of accounts – Rules of debit and credit, Accounting equation.

**Subsidiary Journal Books:** Meaning, need, types of subsidiary books – purchases book, purchases return book, sales books, sales return book, bills receivable book, bills payable book, cash book including petty cash book and journal proper.

Trial balance

**Unit III: Bank Reconciliation Statements:** Meaning, need, reasons for difference in bank balance as per cash book and pass book. Comparison entries in cash book and pass book and noting the differences in preparation of BRS under (a) Favourable balance (b) unfavourable (over draft) balance model, amendment or rectification of cash book.

**Rectification of Errors:** Types or errors: Rectification of errors (a) before trial balance is prepared (b) before preparing final accounts (c) after preparing final accounts.

**Depreciation:** Meaning, causes, need for depreciation, difference between depreciation, amortization and depletion, methods of problems on fixed instalment method and written down value method as approved by Income Tax Act.

**Unit IV: Financial Statements of Sole Proprietorship:** Meaning, objectives and importance; Revenue and Capital Receipts; Revenue and Capital Expenditure; Deferred Revenue expenditure. Opening journal entry. Trading and Profit and Loss Account: Gross Profit, Operating profit and Net profit. Preparation. Balance Sheet: need, grouping and marshalling of assets and liabilities. Preparation. Adjustments in preparation of financial statements with respect to closing stock, outstanding expenses, prepaid expenses, accrued income, income received in advance, depreciation, bad debts, provision for doubtful debts, provision for discount on debtors, Abnormal loss, Goods taken for personal use/staff welfare, interest on capital and managers commission. Preparation of Trading and Profit and Loss account and Balance Sheet of a sole proprietorship with adjustments.

**Unit V: Consignment Accounts:** Meaning, Features, Proforma invoice, Account sales, Del credere commission, Accounting treatment in the books of the consignor and the consignee. Valuation of consignment stock, Treatment of Normal and abnormal Loss Invoice of goods at a price higher than the cost price.

**Course Exit Learning Outcomes:**

On successful completion of the course the student shall demonstrate

*Understanding of the concepts and process of accounting.*

*Ability to prepare various subsidiary books.*

*Understanding of the need to reconcile bank balance with cash book.*

*Ability to identify the errors and rectify them.*

*Understanding of the concept of depreciation and be able to calculate the same.*

*Ability to prepare final accounts of a sole proprietorship business.*

*Account for transactions related to consignment and Branch Accounts*

## **PAPER BAacctgPRC2: FINANCIAL ACCOUNTING II:**

### **Course Objectives**

The course aims

*To provide conceptual knowledge of branch and partnership accounts.*

*To acquaint with the partnership law and recording the business transactions on setting up a partnership firm.*

*To provide knowledge and understanding of recording the business transactions on the admission of a new partner, retirement and death of a partner and dissolution of the partnership firm.*

### **Course Content**

**Unit I: Branch Accounts** – Meaning and Significance of Branches – Good sent to Branch – Stock taking– Good in Transit – Proforma Price – Reconciliation of Branch Accounts with Head Office

**Unit II: Partnership:** features, Partnership Deed. Provisions of the Indian Partnership Act 1932 in the absence of partnership deed. Fixed v/s fluctuating capital accounts. Preparation of Profit and Loss Appropriation account- division of profit among partners, guarantee of profits. Past adjustments (relating to interest on capital, interest on drawing, salary and profit sharing ratio).

**Goodwill:** Meaning, factors affecting, need for valuation, methods for calculation (average profits, super profits and capitalization), adjusted through partners' capital/ current account or by raising and writing off goodwill (AS 26)

**Unit III: Admission of a partner:** Effect of admission of a partner on change in the profit-sharing ratio, treatment of goodwill (as per AS 26), reserves, accumulated profits and losses, adjustment of capital accounts and preparation of capital, current account and balance sheet.

Change in the Profit-Sharing Ratio among the existing partners - sacrificing ratio, gaining ratio, accounting for revaluation of assets and reassessment of liabilities, treatment of reserves, accumulated profits and losses. Preparation of revaluation account and balance sheet.

**Unit IV: Retirement and death of a partner:** effect of retirement / death of a partner on change in profit sharing ratio, treatment of goodwill (as per AS 26), treatment for revaluation of assets and reassessment of liabilities, adjustment of accumulated profits, losses and reserves, adjustment of capital accounts and preparation of capital, current account and balance sheet. Preparation of loan account of the retiring partner. Calculation of deceased partner's share of profit till the date of death. Preparation of deceased partner's capital account and his executor's account.

**Unit V: Dissolution of a partnership firm:** meaning of dissolution of partnership and partnership firm, types of dissolution of a firm. Settlement of accounts - preparation of realization account, and other related accounts: capital accounts of partners and cash/bank a/c (excluding piecemeal distribution, sale to a company and insolvency of partner(s)).

Note: (i) If the realized value of tangible assets is not given it should be considered as realized at book value itself. (ii) If the realized value of intangible assets is not given it should be considered as nil (zero value). (ii) In case, the realization expenses are borne by a partner, clear indication should be given regarding the payment thereof.

### **Course Exit Learning Outcomes**

On successful completion of the course the student shall demonstrate:

*Recognise and record transactions of partnerships firms*

*Understanding of practice of recording the business transactions on admission, retirement, death of a partner.*

*Understanding of the practice of recording the business transactions on setting up and dissolution of a partnership firm.*

### **Suggested readings:**

1. Agarwal, Garima. Computerised Accounting: Himalaya Publishing House
2. Batty, J. Principles of Accounting.
3. Grewal, T.S. Introduction to Accountancy. S. Chand and Co. New Delhi

4. Gupta, R.L. & Radhaswamy, Advanced Accountancy: Sultan Chand & Sons
  5. Gupta R. L. and Gupta, V.K. Principles & Practice of Accounting. Sultan Chand and Sons, New Delhi.
  6. Haneef and Mukherjee. Accountancy-I & II, Tata McGraw Hill Co
  7. Jain S.P. & Narang, K.L. Accountancy-I. Kalyani Publishers.
  8. Jawaharlal Lal. Financial Accounting. Himalaya Publishing House.
  9. Maheshwari, S.N. & V. L. Maheshwari Advanced Accountancy-I&II. Vikas.
  10. Maldasani, Dinesh Mastering Tally. Firewall Media
  11. Sehgal, Deepak. Fundamentals of Financial Accounting. Tax Mann Publication
  12. Shukla, and Grewal. Advanced Accountancy. S. Chand & Co.
  13. Tulasian, Accountancy-I & II: Tata McGraw Hill Co.
  14. Yogeshweran, G. Computerised Accounting: PBP
  15. Manuals of the respective Accounting Packages
- Note: Latest edition of text books may be used.**

**COMPULSORY COURSES**  
**(b) ABILITY ENHANCEMENT COURSES**

Paper	Course	Level	Semester	Credits
AEC1	Business Communication (English)	100-199	I	4
AEC2	Business Communication (MIL)	100-199	III	4

**PAPER BA<sub>actg</sub>AEC1: BUSINESS COMMUNICATION (ENGLISH)**

**Course Objectives:**

The course aims to:

*Equip the student with the knowledge of methods of oral and written communication and develop proficiency in written and oral communication in English Language.*

*Develop proficiency of the students in the use of methods of business communication.*

*Provide knowledge of appropriate English language in communication including in business.*

**Course Contents:**

**Unit I: Communication:** Meaning, Importance and Purpose of Communication, Types of Communication, Process of Communication, Communication Network in an Organisation, Strategy for Effective Communication, Barriers to Communication and Dealing with them  
Listening: Process, Barriers, Types, Benefits of Effective Listening. Reading: Skills and Strategies, Skimming and Scanning.

**Non-Verbal Communication:** Meaning of nonverbal communication; Advantages of using nonverbal communication; Introduction to modes of nonverbal communication; Open and Closed body language; Eye contact and Facial expression; Hand gestures; Do's and Don'ts in NVC; Learning from experts; Activities-based learning

**Oral Business Communication:** Introduction, Advantages of Oral Communication, Oral Business Presentation, Telephonic Conversation, Speeches – speech of introduction, speech of thanks, occasional speeches, theme speech; Mastering the art of giving interviews such as selection or placement interview, appraisal interview, exit interview etc. Group Communication: Short Dialogues, Meetings, Group Discussions, Seminar/Conference, Paper Presentation etc.

**Unit II: Listening:** Techniques of Effective Listening; Listening and Comprehension; Probing Questions; Barriers to Listening

**Speaking:** Pronunciation; Enunciation; Vocabulary; Fluency; Common Errors

**Reading:** Techniques of Effective Reading; Gathering Ideas and Information from a Given Text; Evaluating these Ideas and Information; Interpreting the Text;

**Writing and Different Modes of Writing:** The Writing Process; Effective Writing Strategies; Different Modes of Writing

**Unit III: Digital Literacy and social media:** Basic Computer Skills; Introduction to Microsoft (MS) Office Suite; Open Educational Resources; Basic Virtual Platforms; Trending Technologies; Machine Learning; Artificial Intelligence (AI); Internet of Things (IoT); Social media; Introduction to Social Media Websites; Advantages of social media; Ethics and Etiquettes of social media; How to Use Google Search Better?; Effective Ways of Using social media; Digital Marketing; Introduction to Digital Marketing; Traditional Marketing versus Digital Marketing; Digital Marketing Tools; Social media for Digital Marketing; Digital Marketing Analytics.

**Digital Ethics and Cyber Security:** Digital Ethics; Digital Literacy Skills; Digital Etiquette; Digital Life Skills; Cyber Security; Understanding and introducing the environment of security; Types of attacks and attackers; The art of protecting secrets.

**Written Business Communication:** Writing as a communication skill, E-mails and E-mail Etiquettes, Writing Memo, Agenda, Notice, Minutes, Reports. Business letters and their basic qualities, opening and closing paragraphs, mechanics of letter writing; Specific types of letters such as routine letters, bad news letters, persuasive letters, sales letters, collection letters, job applications letters; Internal communication circulars and memos, minutes and notices, letters from top management, reminders and follow up letters; Employee newsletters.

**Unit IV: Personality Development:** Understand how you think, determine what you value, be clear what drives you; Audit your skills and describe your personality. Take a process view of your life, paint your figure, define your goals, make choices, identify your developmental needs, and overcome resistance; Build your network, develop a positive self-image, empowerment, use a mentor, learn how to learn, measure yourself; Increase your professionalism, Group discussion on current social, cultural and popular topics.

**Unit V: Interpersonal Skills:** Negotiations, social skills, assertive skills, cross-cultural communications. Leadership Skills - Concepts of leadership, leadership styles, insights from good leaders; Be assertive, aim for win-win, consult effectively, be a team player, help others achieve, use power and influence, look good, sound good; Career management – self-assessment, moving forward. Managing ethically. Managing diversity, coaching skills.

### **Course Exit Learning outcomes**

After successful completion of this course, students will be able to:

*Develop required level of knowledge of methods of oral and written communication.*

*Become proficient in the use the methods of business communication.*

*Knowledge of appropriate usage of English language in communication orally and in writing including in business communications.*

*Use appropriate skill in all types of written and verbal communications in personal and business dealings.*

### **Suggested Readings:**

- 1.Andrews, Deborah C. and Andrews, William D. *Management Communication: A Guide*. Cengage Learning.
- 2.Bailey, Stephen. 2010. *Academic Writing: A Handbook for International Learners*. Routledge
3. Hogue, Ann. 1995. *First Steps in Academic Writing*. Pearson Longman
4. Kumarasamy, A. *Gandhi on Personal Leadership*. Jaico Publishing House.

5. Locker and Kaczmarek. *Business Communication: Building Critical Skills*. The McGraw Hill Companies, Inc.
  6. Lopez, Pedrotti and Synder. *Positive Psychology – the Scientific and Practical Explorations and Strengths*. Sage Publications.
  7. Louis, Narens. *Theories of Meaningfulness*. Psychology Press. Taylor & Francis.
  8. Nair, K. A. *Higher Standard of Leadership: Lessons from the Life of Gandhi*. Berrett-Koehler Publishers, San Francisco.
  9. Newman, Amy. *Business Communication: In Person, In Print, Online*. Cengage Learning.
  10. Schein, Edgar H. *Humble Inquiry – The Gentle Art of Asking Instead of Telling*. Berrett Koehler Publishers.
  11. Shirley, Taylor. *Communication for Business*. Pearson Education
  12. Smallwood, Robert F. and Williams, Robert F. *Managing Electronic Records: Methods, Best Practices, and Technologies*. John Wiley and Sons.
  13. Taylor, Shirley. 2006. *Communication for Business*. Pearson Education
  14. Vygotsky, L. S. *Mind in Society – The development of Higher Psychological Processes*. Harvard University Press.
  15. Wilson, Kevin and Wauson, Jennifer. *The AMA Handbook of Business Documents: Guidelines and Sample Documents That Make Business Writing Easy*. Paperback.
- Note: Latest edition of readings may be used.**

**PAPER BAacctgAEC2: BUSINESS COMMUNICATION (MIL)**

- Note:** (1) The university may offer choice of **Hindi or local language or foreign languages such as French, German, Italian, Spanish, or any other language** to the candidate
- (2) Course contents to be drafted by the university.

**(c) SKILL DEVELOPMENT COURSES**

S No	Course	Level	Semester	Credits
SDC1	Computerised Accounting	100-199	II	3
SDC2	e- Auditing	100-199	IV	3
SDC3	e -Taxation	100-199	VI	3

**PAPER BAacctgSDC1: COMPUTERISED ACCOUNTING**

**Course Objectives:**

This course aims to:

*Help the students to acquire the basic knowledge of the functioning of an accounting system (Tally.ERP9)*

*Help the students understand the importance of documentation and flow of data in an organization*

**Course Contents:**

**Unit I: Introduction to ERP and Business Processes:** Overview of enterprise systems, Evolution, Risks and benefits, ERP software solutions, Small, medium and large enterprise vendor solutions, Functional modules, Overview of Database Management Systems, Widespread use of

Spreadsheet and XML, General Ledger setup, Procure to Pay cycle, Setup (Purchase Order, Goods Received Note, Purchase invoice) – Order to Collection cycle, setup (Sales order, Delivery challan, Sales invoice) – Importance of Documentation, Maintaining Electronic books of accounts.

**Unit II: Inventory Management:** Units of measure, Stock, Bill of material, Stock valuation, Manufacturing journal, Batches and godowns, Inventory integration into Financial Accounts, Cost centers, Inventory reports

**Unit III: Payroll Management:** Payroll Accounting, Components of Salary and pay heads, Attendance vouchers, Payroll voucher, Payslips, Payroll reports

**Unit IV: Banking and Taxation:** Banking features, Cheque printing, Bank reconciliation, Direct and Indirect Tax setup, Ledger creation and Configuration, GST return filing, E-way bills.

**Unit V: Laboratory Exercises:** Case studies of Purchase process, Sales process, Inventory management, Payroll management, Banking and Taxation, Analyzing the impact of the above modules on the Balance sheet and Profit or Loss statements, Generating Management Information System Reports.

**Course Exit Learning Outcomes:**

On successful completion of this course the student shall demonstrate

*Clear comprehension of Accounting System in an organisation*

*Understanding of the Inventory system that can be overstated through computers*

*Ability to enter the Pay roll voucher and make Pay roll accounting*

*Understanding of the Banking and GST return filing processes*

*Ability to work out the Case studies in all the functions*

**Suggested Readings:**

1. Agrawal, Namrata. *Comdex Tally., ERP 9 Course Kit:* Dreamtech Press
2. Chheda, Rajesh. *Learn Tally. ERP 9 with GST and E-way Bill.* Ane's Student Education
3. Nadhani, Ashok. K. *GST Accounting with Tally. ERP 9:* BPB Publications
4. Nadhani, Ashok K. *Tally ERP 9 Training Guide:* BPB Publications.
5. Tarang, *Tally ERP 9.* Computer World Publications.
6. *Official Guide to Financial Accounting using Tally. ERP 9 with GST.* Tally Education Pvt Ltd.

**Note: Latest edition of text books may be used.**

**PAPER BAacctgSDC2: e -AUDITING**

**Course Objective**

The course aims:

*To enhance skills for effective and contemporary applications of electronic-auditing.*

*Provide knowledge about the concepts, tools, techniques, and relevance of digital auditing in the present and the changing scenario.*

*Enable the student to learn the application of digital audit tools.*

*Acquaint about the ethical and legal aspects involved in electronic auditing.*



## **Course Contents**

**Unit I: Auditing in a digital environment:** Key features, impact of IT related risks, Impact on controls, Internal financial controls as per regulatory requirements. Types of controls, audit approach, understanding and documenting automated environment, training methods,

**Unit II: Process of electronic audit:** Identification of methods of evaluating the reliability of specific IT-related control elements for compliance with policy, effectiveness of the IT-related controls for achievement of performance objectives.

Internal audit, Statutory audit, Voucher verification, Verification of related party transactions; Auditing in Computerized Accounting set up; Various tools for computerised auditing.

Identification and evaluation on preliminary basis, the feasibility of various approaches used in the evaluation of IT-related elements of internal controls (e.g., around the computer, through the computer, with the computer); Tests the functioning of the electronic controls using audit software.

**Unit III: Building Digital Audit Capabilities:** Day to day work in the laboratory for data vouching, verification, valuation and authenticity check.

**Unit IV: Visualisation for Audit and Digital Audit in Action:** Detecting and preventing fraud with data analytics - Digital audit in action.

**Data analysis and audit report:** Data analytics for audit, assessing and reporting audit findings.

**Unit V: Ethical and legal aspects of electronic auditing:** Digital transformation of audit – implications for the audit profession; The Chartered Accountants Act, 1949; the ICAI Code of Ethics, 2019; Ethical Standards Board of ICAI; Objective of Code to establish Integrity, Objectivity, Professional competence and due care, Confidentiality and Professional behaviour.

## **Course Exit Learning Outcomes**

After successful completion of this course, students will be able to:

*Develop knowledge and understanding of auditing and generally accepted auditing standards procedures and techniques of audit.*

*Understand the practice of audit work, internal check, internal audit, statutory audit and audit reports.*

*Understand the requirements and practice of audit under computerised environment.*

*Understand requirements of auditor independence, audit ethics in audit and other legal and professional expectations from auditors.*

*Develop capability to handle and manage the electronic audit tools and ensure compliance with the regulatory requirement in audit work.*

## **Suggested Readings:**

1. Gupta, Karnal, *Contemporary Auditing* Tata Mac Graw-Hill, New Delhi.
2. Gupta, Kamal. *Practical Auditing*. Tat Mac Graw -Hill, New Delhi
3. Manjunatha J.M. and others. *Auditing and Assurance*. Himalaya Publishing House.

4. Pagare, Dinakar. *Practice of Auditing*. Sultan Chand

**Note: Latest edition of text books may be used.**

### **PAPER BAacctgSDC3: e - TAXATION**

#### **Course Objectives**

*To provide understanding of the law and practice of Income Tax, Income Tax documents and records, filing of returns, and collection of tax deducted at source and payment of tax as per the requirements of the Income Tax law in a business set-up.*

*To provide understanding of the law and practice of Goods and Service Tax and apply the provisions in a business set-up.*

*To provide understanding of the documents, records, books of accounts and tax returns requirements and payment of Goods and Services Tax using computer hardware and software packages in a business set-up.*

#### **Course Contents:**

##### **Unit I: Use of Computer (Hardware and Software) in Income Tax:**

**Computer Hardware:** Installation of Desktops, Laptops, Printers and peripherals, Development of expertise in operating the hardware.

**Computer Software:** Use of MS excel and other Software Packages such as Tally. ERP 9, QuickBooks India, Zoho Books, MargERP 9+, Vyapar, myBooks, Busy Accounting, Logic in Business set up.

**Practical use of Computers in Business Set up:** Preparation of Business records using Microsoft Office - Use of Excel or some other software for preparing Income Tax Records and Analysis of Income Tax Data; Use of Microsoft Power Point for Presentations; Use of Microsoft word for Income Tax Reports.

Preparation of Business records using Microsoft Office - Use of Excel or some software for preparing GST Records and Analysis of GST Data; Use of Microsoft Power Point for Presentations; Use of Microsoft word for GST Reports.

**Unit II: Development of Income Tax documents:** Development of Income tax documents, Tax Accounts and Tax Records; Tax Deduction at Source: Filing of returns of Tax deduction at source; Assessment of Advance payment liability; Advance payment of tax: Determination of income liable to tax and the tax liability of an assessee individual, firm, company or any other entity.

**Unit III: Income tax and e-filing of ITRs:** Introduction to Income Tax Portal; Preparation of electronic return; Instructions for filling out form ITR-1, ITR-2, ITR-3, ITR-4, ITR-5, ITR-6. Assessment of income liable to tax, Determination of tax liability, Payment of tax.

Refunds, Appeals and final settlement of tax liability. Payment of interest by and to an assessee; Refund of excess tax paid by the assessee; Penalty and Prosecutions under the Act; Appeals and Revisions.

**e-filing of Returns of Income:** Meaning of e-filing; Difference between e-filing and regular filing of returns; Benefits and limitations of e-filing; Types of e-filing; e-filing process; Relevant notifications.

**TDS and e-Filing of TDS Returns:** Tax Collection at Source schedule for deposit of TDS; Tax Deduction and Collection Accounts, Schedule for submission of TDS Returns; Prescribed forms for filing of TDS returns; Exemption from TDS – Form 13, 15G, 15H; Advance Payment of Tax.

**Unit IV: Maintenance of Electronic Records and Documents for GST:** Maintaining Online Ledgers - Tax liability ledger, Cash Payment ledger, ITC Ledger; Tax Records - Tax invoice, Credit notes and Debit notes, electronic way Bill., Bill of supply; Filing of tax returns - Development of GST records, Payment of tax including reverse charge, Refund, Job work Input tax credit, Computation of GST liability.

**Unit V: Electronic Filing of GST Returns -** GST returns: GSTR-1, GSTR-4, GSTR -7, GSTR-8, GSTR-9, GSTR-10, GSTR-11, GSTR-3B and Payment of Tax, Tax refunds.

## Course Exit Learning outcomes

Upon successful completion of this course the student should be able to demonstrate:

*Understanding of the law and practice of Income Tax, Income Tax documents and records, filing of returns, and collection and payment of tax as per the requirements of the Income Tax law and apply the same in a business set-up.*

*Work in a business set up and provide support in income tax related matters and develop the ability to file online returns of income and pay the tax for individuals, firms, companies and other institutions.*

*Understanding of law and practice of Goods and Services Tax and apply the provisions in a business set-up.*

*Understanding of the documents, records, books of accounts and tax returns requirements and payment of Goods and Services Tax using computer hardware and software packages in a business set-up.*

*Work in a business set up and provide support in GST related matters and develop the ability to file online returns of Goods and Service Tax.*

## Suggested Readings:

### Income Tax:

1. Manoharan, T. N. *Students Handbook on Income Tax Law*. Snow White Publications
2. Mehrotra, H. C. *Income Tax Law and Accounts including Tax Planning*. Sahitya Bhawan Publications.
3. Narang and Gaur. *Income Tax*. Himalaya Publishing House.
4. Prasad, B. *Direct Taxes - Law and Practices*. Wishwa Prakashana
5. Singhania, Vinod K and Singhania, Kapil. *Direct Tax Planning and Management*. Taxman.
6. Singhania, Vinod, K. *Direct Taxes - Law and Practices*. Taxman Publications.

### Goods and Service Tax (GST)

1. Ahuja, Girish and Gupta, Ravi. *Systematic Approach to GST*. Wolters Kluwer
2. Babbar, Sonal, Kaur, Rasleen and Khurana, Kritika. *Goods and Service Tax (GST) and Customs Law*. Scholar Tech Press.
3. Bansal, K. M., *GST & Customs Law*, Taxman Publication.
4. Chheda, Rajesh. *Learn Tally. ERP 9 with GST and E-way Bill: Ane's Student Education*
5. Datey, V. S. *All about GST, A Complete Guide to Model GST Law*. Taxman Publications
6. Gupta, ineet and Gupta, N. K. *Fundamentals of Goods and Services Tax*. Bharat Law House Pvt. Ltd  
Gupta, S.S. *Taxman's GST New Returns How to Meet Your Obligations -A Practical Guide for filing of New GST Returns*. Taxman Publication.
8. Gupta, S.S. *GST- How to Meet your Obligations*. Taxman Publications
9. Mehrotra, H.C. and Agarwal, V.P. *Goods and Services Tax and Customs*. Sahitya Bhawan Publications
10. Murthy, K. Ch. A. V. S. N. Lavanya, K. V. N. and Lakshmi, V. D. M. V. *Theory and Practice of Goods and Services Tax*, Telugu Academy, Hyderabad.
11. Saha, R.G. Shah, Divyesh and Devi, Usha. *Goods and Service Tax*. HPH
12. Singhania, Aditya. *Taxman's GST New Returns with e-Invoicing-A Comprehensive Guide to New GST Returns*. Taxman Publication.
13. Singhania, V. K. *GST & Customs Lax*, Taxman Publication
14. Sisodia, Pushpendra, *GST Law*. Bharat Law House.
15. GST Laws - *The Central Goods and Services Tax, 2017; The Constitution (One hundred and First Amendment) Act, 2016; The Goods and Services Tax (Compensation to States) Act, 2017; The Integrated Goods and Services Tax, 2017; The Union Territory Goods and Services Tax, 2017*

**Note: Latest edition of text books may be used.**

### Notes:

(a) Students shall practice solution of numerical exercises in courses where numerical exercises are involved in 'Accounting Laboratory'

(b) **For Skill development:**

(1) The Department shall purchase and install the necessary technology and equipment and engage and develop competent and skilled faculty to guide and supervise the students in determination of income liable to tax, tax liability and payment of tax.

(2) The students would be given adequate time to practice in the Laboratory using the installed hardware and software.

**(c) Job works under Tax Regime for Exposure to the World of Work:**

(1) The Department shall enter in to Memorandum of Understanding (MOUs) for Internship of the students and their exposure to the work environment with a firm of Chartered Accountants in Practice/Cost and Management Accountants in Practice/ Company Secretary in Practice/ Industrial/Manufacturing Enterprise.

(2) The student shall be placed with a firm of Chartered Accountants in Practice or a firm of Cost and Management Accountants in Practice or a firm of Company Secretary in Practice or an Industrial/Manufacturing Enterprise for 3 months for on hand work experience.

(3) The student shall work with the firm for training and skill development as per the schedule given to him by the firm where he is placed.

(4) At the end of 3 months placement training period the student shall submit a report on the work assigned to him and the work done by him over three months period to the firm where is is placed for training and also to the institution.

(5) A report shall also be obtained from the management of the firm where the student is placed for training mentioning the work assigned and the performance of the candidate at work over the three months period.

(6) Assessment shall be based on the Report of the Management, Report of the student and the Viva Voce by the Committee of the Department.

**(d) VALUE-ADDED COURSES**

Paper	Course	Level	Semester	Credits
VAC1	Environment Studies	100-199	I	2
VAC2	Indian Knowledge System	100-199	II	2
VAC3	Health, Wellness, Yoga, etc.	100-199	III	2
VAC4	Digital and technological solutions:	100-199	IV	2

**PAPER BAacctgVAC1: ENVIRONMENT STUDIES**

**Course Objective:**

The objective of this course is:

*To sensitise young minds to the need of preservation of environment for sustainable development towards the future of mankind.*

**Course Contents:**

**Unit I. Humans and the Environment:** The man-environment interaction: Humans as hunter-gatherers; Mastery of fire; Origin of agriculture; Emergence of city-states; Great ancient civilizations and the environment, Indic Knowledge and Culture of sustainability; Middle Ages and Renaissance; Industrial revolution and its impact on the environment; Population growth and natural resource exploitation; Global environmental change. Environmental Ethics and emergence of environmentalism: Anthropocentric and eco-centric perspectives (Major thinkers); The Club of Rome- Limits to Growth; UN Conference on Human Environment 1972; World Commission on Environment and Development and the concept of sustainable development; Rio Summit and subsequent international efforts.

**Natural Resources and Sustainable Development:** Overview of natural resources: Definition of resource; Classification of natural resources- biotic and abiotic, renewable and non-renewable. Biotic resources: Major type of biotic resources- forests, grasslands, wetlands, wildlife and aquatic (fresh water and marine); Microbes as a resource; Status and challenges. Water resources: Types of water resources- fresh water and marine resources; Availability and use of water resources; Environmental impact of over-exploitation, issues and challenges; Water scarcity and stress; Conflicts over water. Soil and mineral resources: Important minerals; Mineral exploitation; Environmental problems due to extraction of minerals and use; Soil as a resource and its degradation. Energy resources: Sources of energy and their classification, renewable and non-renewable sources of energy; Conventional energy sources- coal, oil, natural gas, nuclear energy; non-conventional energy sources- solar, wind, tidal, hydro, wave, ocean thermal, geothermal, biomass, hydrogen and fuel cells; Implications of energy use on the environment. Introduction to sustainable development: Sustainable Development Goals (SDGs)- targets and indicators, challenges and strategies for SDGs.

**Unit II. Environmental Issues: Local, Regional and Global:** Environmental issues and scales: Concepts of micro-, meso-, synoptic and planetary scales; Temporal and spatial extents of local, regional, and global phenomena. Pollution: Impact of sectoral processes on Environment; Types of Pollution- air, noise, water, soil, thermal, radioactive; municipal solid waste, hazardous waste; transboundary air pollution; acid rain; smog. Land use and Land cover change: land degradation, deforestation, desertification, urbanization Biodiversity loss: past and current trends, impact. Global change: Ozone layer depletion; Climate change. Disasters – Natural and Man-made (Anthropogenic).

**Conservation of Biodiversity and Ecosystems:** Biodiversity and its distribution: Biodiversity as a natural resource; Levels and types of biodiversity; Biodiversity in India and the world; Biodiversity hotspots; Species and ecosystem threat categories. Ecosystems and ecosystem services: Major ecosystem types in India and their basic characteristics forests, wetlands, grasslands, agriculture, coastal and marine; Ecosystem services- classification and their significance. Threats to biodiversity and ecosystems: Land use and land cover change; Commercial exploitation of species; Invasive species; Fire, disasters and climate change. Major conservation policies: in-situ and ex-situ conservation approaches; Major protected areas; National and International Instruments for biodiversity conservation; the role of traditional knowledge, community-based conservation; Gender and conservation.

**Unit III. Environmental Pollution and Health:** Understanding pollution: Production processes and generation of wastes; Assimilative capacity of the environment; Definition of pollution; Point sources and non-point sources of pollution. Air pollution: Sources of air pollution; Primary and secondary pollutants; Criteria pollutants- carbon monoxide, lead, nitrogen oxides, ground-level ozone, particulate matter and sulphur dioxide; Other important air pollutants- Volatile Organic compounds (VOCs), Peroxyacetyl Nitrate (PAN), Polycyclic aromatic hydrocarbons (PAHs) and Persistent organic pollutants (POPs); Indoor air pollution; Adverse health impacts of air pollutants; National Ambient Air Quality Standards. Water pollution: Sources of water pollution; River, lake and marine pollution, groundwater pollution; water quality Water quality parameters and standards; adverse health impacts of water pollution on human and aquatic life. Soil pollution and solid waste: Soil pollutants and their sources; Solid and hazardous waste; Impact on human health. Noise pollution: Definition of noise; Unit of measurement of noise pollution; Sources of noise pollution; Noise standards; adverse impacts of noise on human health. Thermal and Radioactive pollution: Sources and impact on human health and ecosystems.

**Climate Change: Impacts, Adaptation and Mitigation:** Understanding climate change: Natural variations in climate; Structure of atmosphere; Anthropogenic climate change from greenhouse gas emissions– past, present and future; Projections of global climate change with special reference to temperature, rainfall, climate variability and extreme events; Importance of 1.5 °C and 2.0 °C limits to global warming; Climate change projections for the Indian sub-continent. Impacts, vulnerability and adaptation to climate change: Observed impacts of climate change on ocean and land systems; Sea level rise, changes in marine and coastal ecosystems; Impacts on

forests and natural ecosystems; Impacts on animal species, agriculture, health, urban infrastructure; the concept of vulnerability and its assessment; Adaptation vs. resilience; Climate-resilient development; Indigenous knowledge for adaptation to climate change. Mitigation of climate change: Synergies between adaptation and mitigation measures; Green House Gas (GHG) reduction vs. sink enhancement; Concept of carbon intensity, energy intensity and carbon neutrality; National and international policy instruments for mitigation, decarbonizing pathways and net zero targets for the future; Energy efficiency measures; Renewable energy sources; Carbon capture and storage, National climate action plan and *Intended Nationally Determined Contributions* (INDCs); Climate justice.

**UNIT IV: Environmental Treaties and Legislation:** An overview of instruments of international cooperation; bilateral and multilateral agreements; conventions and protocols; adoption, signature, ratification and entry into force; binding and nonbinding measures; Conference of the Parties (COP) The Paris Agreement (COP26), The Climate Summit (COP27), India Climate Summit (COP28); Major International Environmental Agreements: Convention on Biological Diversity (CBD); Cartagena Protocol on Biosafety; Nagoya Protocol on Access and Benefit-sharing; Convention on International Trade in Endangered Species of Wild Flora and Fauna (CITES); Ramsar Convention on Wetlands of International Importance; United Nations Convention to Combat Desertification (UNCCD); Vienna Convention for the Protection of the Ozone Layer; Montreal Protocol on Substances that Deplete the Ozone Layer and the Kigali Amendment; Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal; Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade; Stockholm Convention on Persistent Organic Pollutants; Minamata Convention on Mercury; United Nations Framework Convention on Climate Change (UNFCCC); Kyoto Protocol; Paris Agreement; India's status as a party to major conventions. ; The Stockholm Conference (1972), World Commission on Environment and Development (1983), The Earth Summit (1992),

**Major Indian Environmental Legislations:** The Wild Life (Protection) Act, 1972; The Water (Prevention and Control of Pollution) Act, 1974; The Forest (Conservation) Act, 1980; The Air (Prevention and Control of Pollution) Act, 1981; The Environment (Protection) Act, 1986; The Biological Diversity Act, 2002; The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006; Noise Pollution (Regulation and Control) Rules, 2000; Industry-specific environmental standards; Waste management rules; Ramsar sites; Biosphere reserves; Protected Areas; Ecologically Sensitive Areas; Coastal Regulation Zone; Status phase-out of production and consumption of Ozone Depleting Substances by India; National Green Tribunal; Some landmark Supreme Court judgements Major International organisations and initiatives: United Nations Environment Programme (UNEP), International Union for Conservation of Nature (IUCN), World Commission on Environment and Development (WCED), United Nations Educational, Scientific and Cultural Organization (UNESCO), Intergovernmental Panel on Climate Change (IPCC), and Man and the Biosphere (MAB) programme.

**UNIT V. Environmental Management:** Introduction to environmental laws and regulation: Constitutional provisions- Article 48A, Article 51A (g) and other derived environmental rights; Introduction to environmental legislations on the forest, wildlife and pollution control. Environmental management system: ISO 14001 Concept of Circular Economy, Life cycle analysis; Cost-benefit analysis Environmental audit and impact assessment; Environmental risk assessment Pollution control and management; Waste Management- Concept of 3R (Reduce, Recycle and Reuse) and sustainability; Ecolabeling / Eco-mark scheme

**Corporate Environmental Management:** Environmental Challenges and Corporate Response – Social Contract Argument and Quality of Life Argument; Climate Change and its Impact, Green Hydrogen, Green Energy Towards Net-zero Emission; Corporate Environment Management for Sustainable Development – Cost Benefit Analysis of Environment Management, Environment Management System, Strategic Environment Management for Sustainable Development, Environment Management Systems, Environment Performance Evaluation. Accounting and Reporting for Corporate Environmental Management – Environmental Accounting, Accounting

for Environmental Performance, Environment Reporting, Environmental Audit (EA); Corporate Environmental Accounting and Reporting in India under Companies Act 2013 – Case Studies of Indian Companies – ITC, SAIL; Emerging Issues – Green Economy, Green Accounting, Carbon Accounting, Carbon Trading, Global Warming and Climate Change.

### **Course Exit Learning Outcomes:**

On successful completion of the course the student shall be able to demonstrate:

*Understanding of the need and importance of preservation of environment for sustainable development.*

*Knowledge of the structure and functions of the ecosystem, the environmental assets, resources, food chain and their contributions.*

*Understanding of the causes and effects of environment pollution and measures for its control.*

*Knowledge and understanding of the social issues such as water conservation and water harvesting, prevention and control of pollution, etc.*

*Knowledge and understanding of the effects of population growth on sustainable development, human welfare, human health, education, etc.*

### **Suggested Readings**

1. Adenle A., Azadi H., Arbiol J. (2015). Global assessment of technological innovation for climate change adaptation and mitigation in developing world, *Journal of Environmental Management*, 161 (15): 261-275.
2. Ahluwalia, V. K. (2015). *Environmental Pollution, and Health*. The Energy and Resources Institute (TERI). University Grants Commission 13
3. Banerjee, Bhabatosh. *Corporate Environmental Management -Towards a Green Economy*. PHI Learning Private Limited 2023
4. Barnett, J. & S. O'Neill (2010). Maladaptation. *Global Environmental Change—Human and Policy Dimensions* 20: 211–213.
5. Barrow, C. J. (1999). *Environmental management: Principles and practice*. Routledge.
6. Bawa, K.S., Oomen, M.A. and Primack, R. (2011) *Conservation Biology: A Primer for South Asia*. Universities Press.
7. Berrang-Ford, L., J.D. Ford & J. Paterson (2011). Are we adapting to climate change? *Global Environmental Change—Human and Policy Dimensions* 21: 25-33.
8. Bhagwat, Shonil (Editor) (2018) *Conservation and Development in India: Reimagining Wilderness*, Earthscan Conservation and Development, Routledge.
9. Bohra, Saroj, *Judicial Intervention and Evolution of Environmental Principles and Doctrines* (January 7, 2019). Available at SSRN: <https://ssrn.com/abstract=3311406> or <http://dx.doi.org/10.2139/ssrn.3311406>
10. Central Pollution Control Board Web page for various pollution standards. <https://cpcb.nic.in/standards/>
11. Chiras, D. D and Reganold, J. P. (2010). *Natural Resource Conservation: Management for a Sustainable Future*. 10th edition, Upper Saddle River, N. J. Benjamin/Cummins/Pearson.
12. Fisher, Michael H. (2018) *An Environmental History of India- From Earliest Times to the Twenty-First Century*, Cambridge University Press.
13. Gilbert M. Masters and W. P. (2008). *An Introduction to Environmental Engineering and Science*, Ela Publisher (Pearson)
14. Harper, Charles L. (2017) *Environment and Society, Human Perspectives on Environmental Issues* 6th Edition. Routledge.
15. Harris, Frances (2012) *Global Environmental Issues*, 2nd Edition. Wiley- Blackwell.
16. Headrick, Daniel R. (2020) *Humans versus Nature- A Global Environmental History*, Oxford University Press.
17. Hughes, J. Donald (2009) *An Environmental History of the World- Humankind's Changing*

- Role in the Community of Life, 2nd Edition. Routledge.
18. India Code – Digital repository of all Central and State Acts: <https://www.indiacode.nic.in/>
  19. Jackson, A. R., & Jackson, J. M. (2000). Environmental Science: The Natural Environment and Human Impact. Pearson Education.
  20. John W. Twidell and Anthony D. (2015). Renewable Energy Sources, 3rd Edition, Weir Publisher (ELBS)
  21. Jørgensen, Sven Marques, Erik João Carlos and Nielsen, Søren Nors (2016) Integrated Environmental Management, A transdisciplinary Approach. CRC Press.
  22. Kanchi Kohli and Manju Menon (2021) Development of Environment Laws in India, Cambridge University Press.
  23. Krishnamurthy, K.V. (2003) Textbook of Biodiversity, Science Publishers, Plymouth, UK
  24. Manahan, S.E. (2022). Environmental Chemistry (11th ed.). CRC Press. <https://doi.org/10.1201/9781003096238>
  25. Masters, G. M., & Ela, W. P. (2008). *Introduction to environmental engineering and science* (No. 60457). Englewood Cliffs, NJ: Prentice Hall.
  26. Miller, G. T., & Spoolman, S. (2015) Environmental Science. Cengage Learning.
  27. Ministry of Environment, Forest and Climate Change (2019) A Handbook on International Environment Conventions & Programmes. <https://moef.gov.in/wp-content/uploads/2020/02/convention-V-16-CURVE-web.pdf>
  28. Perman, R., Ma, Y., McGilvray, J., and Common, M. (2003) Natural Resource and Environmental Economics. Pearson Education.
  29. Pittock, Barrie (2009) Climate Change: The Science, Impacts and Solutions. 2nd Edition. Routledge.
  30. Rajagopalan, R. (2011). Environmental Studies: From Crisis to Cure. India: Oxford University Press. University Grants Commission 11
  31. Richard A. Marcantonio, Marc Lame (2022). Environmental Management: Concepts and Practical Skills. Cambridge University Press. University Grants Commission 15
  32. Simmons, I. G. (2008). Global Environmental History: 10,000 BC to AD 2000. Edinburgh University Press
  33. Sinha, N. (2020) Wild and Wilful. Harper Collins, India.
  34. Singh, J.S., Singh, S.P. & Gupta, S.R. 2006. Ecology, Environment and Resource Conservation. Anamaya Publications <https://sdgs.un.org/goals>
  35. Theodore, M. K. and Theodore, Louis (2021) Introduction to Environmental Management, 2<sup>nd</sup> Edition. CRC Press.
  36. Tiefenbacher, J (ed.) (2022), Environmental Management - Pollution, Habitat, Ecology, and Sustainability, Intech Open, London. 10.5772/
  37. UNEP (2007) Multilateral Environmental Agreement Negotiator's Handbook, University of Joensuu, ISBN 978-952-458-992-5
  38. Varghese, Anita, Oommen, Meera Anna, Paul, Mridula Mary, Nath, Snehlata (Editors) (2022) Conservation through Sustainable Use: Lessons from India. Routledge.
  39. William P. Cunningham and Mary A. (2015) Cunningham Environmental Science: A Global Concern, Publisher (Mc-Graw Hill, USA)

**Note: Latest edition of text books may be used.**

## **PAPER BAcctgVAC2: INDIAN KNOWLEDGE SYSTEM**

### **Course Objectives:**

*To make students aware of the trajectories of historical and cultural developments in India and the making of unity in diversity.*

*To make students understand the major forms and phases of freedom struggle.*

*To make students aware of the heroes and their contributions to India's struggle for freedom.*

*To familiarise the students with the process of constitutional developments and its*



*emergence as one of the largest democratic states in the world.*

*To make students aware with the major contributions of India to the world civilisation in the field of Science and Technology.*

### **Course Contents:**

**Unit I Bharatavarsha—A Land of Rare Natural Endowments:** Largest cultivable area in the world. Protected and nurtured by Himalayas. The Sindhu-Ganga plain and the great coastal plains. The great rivers of India. Abundant rains, sunshine and warmth, vegetation, animals and mineral wealth. Most populous country in the world. India's prosperity held the world in thrall. Splendid geographical isolation of India and the uniqueness of Indian culture.

**Foundational Literature of Indian Civilisation:** The *Vedic* Corpus. The *Itihasas*—*Ramayana* and *Mahabharata*, and their important regional versions. The *Puranas*. The role of *Itihasas* and *Puranas* in understanding the *Vedas*. Foundational Texts of Indian Philosophies, including the *Jaina* and *Bauddha*. Foundational Texts of Indian Religious *Sampradayas*, from the *Vedic* period to the *Bhakti* traditions of different regions.

**The Vedangas and Other Streams of Indian Knowledge System:** The six *Vedangas* — *Siksha*, *Vyakarana*, *Chandas*, *Nirukta*, *Jyotisha* and *Kalpa*. Other streams of Indian Knowledge System such as *Ayurveda*, *Sthapatya*, *Natyasastra*, *Dharmasastra*, *Arthasastra*, etc. Continuity of the Corpus. The Indian way of continuing the evolution of knowledge through commentaries, interpretations and revisions of the foundational texts. The large corpus of literature on IKS in Sanskrit and other Indian languages. Others sources for the study of Indian Knowledge System.

**Unit II Indian Education:** Preservation of culture, tradition and *Dharma* through education. *Svadyaya*, *Pravachana*, also continuity of the family and the *vamsha*, who are the carriers of knowledge, tradition and *Dharma*. The extent, inclusiveness and the sophistication of indigenous education in early 19th century India.

**The Purpose of Knowledge in India:** *Para Vidya* and *Apara Vidya*. The corpus connected with *Para Vidya*. Learning and formalization of concepts associated with *Para Vidya* also form part of *Apara Vidya*. Nature and purpose of sciences, technologies, and all human knowledge concerning the world and the society. The concept of *Rita*, *Dharma*. The cycle of mutual dependence of humans and all aspect of creation. *Yajna* and the inviolable discipline of sharing and caring.

**Methodology of Indian Knowledge System:** Systematization of knowledge fields as *Sastra*. Each *Sastra* has a clearly defined purpose in *Vyavahara*. The means of valid knowledge (*Pramanas*). Perception (*Pratyaksha*), Inference (*Anumana*) and Textual Tradition (*Agama*), as discussed in the canonical texts of all the disciplines. The importance of *Pratyaksha* and *Agama* in relation to *Anumana*.

**Unit III -Indian Language Sciences:** Language Sciences and the preservation of the *Vedic* corpus. *Varnamala* of Indian languages based on classification of sounds on the basis of their origin and effort involved. The special feature of the scripts of most Indian languages, that each symbol is associated with a unique sound. Word formation in Sanskrit and Indian languages. Basic purpose of the Science of *Vyakarana* as established by Panini. Important texts of Indian Language Sciences —*Siksha* or phonetics, *Nirukta* or etymology, *Vyakarana* or Grammar, *Chandas* or Prosody. How the Indian Language Sciences continued to flourish in the 18//19 the centuries. *Navyanyaya* and *Navya-vyakarana* in *Navadvipa*, Varanasi and West and South India.

**Classical Literature in Sanskrit and Other Indian Languages:** The nature and purpose of *Kavya*. *Drisyaya* and *Sravaya Kavyas*. The ideas of Indian aestheticians on what constitutes the soul of *Kavya*. Important examples of classical literature in Sanskrit and other Indian languages.

**Indian Mathematics:** Numbers, fractions and geometry in the *Vedas*. Decimal nomenclature of numbers in the *Vedas*. Zero and Infinity. Simple constructions from *Sulba-sutras*. The development of the decimal place value system which resulted in a simplification of all arithmetical operations. Linguistic representation of numbers. Important texts of Indian mathematics. Brief introduction to the development of algebra, trigonometry and calculus. How Indian mathematics continued to flourish in the 18/19/20th centuries. Kerala School. Ramanujan.

**Unit IV - Indian Astronomy:** Ancient records of the observation of the motion of celestial bodies in the *Vedic* corpus. Sun, Moon, *Nakshatra* & *Graha*. Astronomy as the science of determination of time, place and direction by observing the motion of the celestial bodies. The motion of the Sun and Moon. Motion of equinoxes and solstices. Elements of Indian calendar systems as followed in different regions of India. Important texts of Indian Astronomy. Basic ideas of the planetary model of Aryabhata and its revision by Nilakantha. Large corpus of inscriptions recording observation of eclipses. Astronomical instruments. How Indian astronomy continued to flourish in the 18/19th centuries. Astronomical endeavours of Jaisingh, Sankaravarman, Chandrasekhara Samanta.

**Indian Health Sciences:** *Vedic* foundations of *Ayurveda*. *Ayurveda* is concerned both with maintenance of good health and treatment of diseases. Basic concepts of *Ayurveda*. The three *Gunas* and Three *Doshas*, *Pancha-mahabhuta* and *Sapta-dhatu*. The importance of *Agni* (digestion). Six *Rasas* and their relation to *Doshas*. *Ayurvedic* view of the cause of diseases. *Dinacharya* or daily regimen for the maintenance of good health. *Ritucharya* or seasonal regimen. Important Texts of *Ayurveda*. Selected extracts from *Ast ngahrdaya* (selections from *S trasth na*) and *Su ruta-Samhit* (sections on plastic surgery, cataract surgery and anal fistula). The large pharmacopeia of *Ayurveda*. *Charaka* and *Sushruta* on the qualities of a *Vaidya*. The whole world is a teacher of the good *Vaidya*. *Charaka's* description of a hospital. Hospitals in ancient and medieval India. How *Ayurveda* continued to flourish till 18/19th centuries. Surgical practices, inoculation. Current revival of *Ayurveda* and *Yoga*.

**Indian Architecture and Town Planning:** The importance of *Sthapatya-veda*. The ancient cities of the Indus Saraswati region. Town planning and drainage systems. Examples of the significance of architecture and materials in Ramayana and Mahabharata. Public opulence and private austerity in Indian architecture. Why there are many more of Temples than Palaces. Important texts of Architecture and Sculpture. The prevalence of high Indian architecture in almost all parts of India except the Ganga plains. Examples of high Indian architecture from ancient and medieval periods from different parts of India. The building of Jaipur in the 18th century. How temple art and architecture continue to flourish in modern India.

**Indian Fine Arts:** The importance of *Gandharva-veda*. *Natyasastra* on the nature and purpose of fine arts. Basic concepts of Indian music and dance. Important texts of Indian music, dance and painting. Indian musical instruments. Different schools of music, dance and painting in different regions of India. Important examples of Indian painting in various part of India. Musicology as a science. Harmonising *Lakshya* and *Lakshana* (practise and theory). Major developments in the science and practice of music the 17/18/19th centuries. The current revival of music and dance in India.

**Indian Agriculture:** The significance of agriculture and irrigation as emphasised in the Ramayana, Mahabharata and other texts. Mention of Indian agriculture by the Greek historians and later travellers. Significance of agriculture and irrigation for the kings of Indian tradition. Major water-bodies of the ancient times. The Ery system of south India. Excellence of Indian agricultural technologies as observed by more recent European observers. Productivity of Indian agriculture in medieval Thanjavur and eighteenth-century Allahabad, Chengalpattu, etc. Indian attitude towards agriculture, based on Walker and later reports.

**Indian Textiles:** India as the ancient home of cotton and silk fabrics. Weaving formed the most significant part of Indian economy after agriculture. Varieties of textiles and dyes developed in different regions of India. India as a leading exporter of textiles in the world in the 17/18/19th centuries.

**Indian Metallurgy:** *Vedic* references to metals and metal working. Mining and manufacture in India of Zinc, Iron, Copper, Gold, etc., from ancient times. Indian texts which refer to metallurgy. Important specimens of metal workmanship preserved/found in different parts of India. The significance and wide prevalence of ironsmith and other metal workers in the pre-modern era. European observers on the high quality and quantity of Indian iron and steel in the 18/19th centuries.

**Unit V - Indian Polity and Economy:** Indian conception of well-organised Polity and flourishing Economy as expounded in the foundational texts. The notion of *Bharatavarsha* as a *Chakravarti-*

*Kshetra* and important attributes of *Chakravartin*. King as the protector of *Dharma*. King as the strength and support of the weak. King as the protector of *Varta*. King as the protector of the times. Meaning of *Varta*: *Krishi*, *Gopalana* and *Vanijya* forming the basis of *Varta* and the core of economic activity in society. The importance of sharing. *Grama* as the centre of the polity.

**The Outreach of Indian Knowledge System:** The outreach of Indian Knowledge System beyond Indian boundaries forms the ancient times. Outreach to East, Southeast, Central and Southeast Asia of Indian phonetic script, decimal value place system-based arithmetic, algebra, astronomy and calendar, medical pharmacopeia, architecture, methods of making iron and steel, cotton textiles, etc. The transmission of Indian linguistics, knowledge of plants, iron and steel metallurgy, textiles and dyeing, shipbuilding etc., to Europe in 17/18/19th centuries. Current global outreach of *Ayurveda*, *Yoga* and Indian Fine Arts.

**Course Exit Learning outcomes:**

On successful completion of the course the student shall demonstrate

*Awareness of the trajectories of historical and cultural developments in India and the making of unity in diversity.*

*Understand the major forms and phases of freedom struggle.*

*Awareness of the heroes and their contributions to India's struggle for freedom.*

*Familiarity with the process of constitutional developments and its emergence as one of the largest democratic state in the world.*

*Awareness with the major contributions of India to the world civilisation in the field of Science and Technology.*

**Suggested Readings:**

1. Bajaj J. K. and M. D. Srinivas, *Indian Economy and Polity in Eighteenth century* Chengalpattu, in J. K. Bajaj ed., *Indian Economy and Polity*, Centre for Policy Studies Chennai, 1995, pp. 63-84.
2. Bajaj J. K. and M. D. Srinivas, *Annam Bahu Kurvita Recollecting the Indian Discipline of Growing and Sharing Food in Plenty*, Centre for Policy Studies, Chennai, 1996.
3. Bajaj J. K. and M. D. Srinivas, *Timeless India Resurgent India*, Centre for Policy Studies, Chennai, 2001.
4. Baladev Upadhyaya, *Samskrta strom ka Itih s*, Chowkhambha, Varanasi, 2010.
5. Basu, D. *Introduction to the Constitution of India*. Lexis Nexis, New Delhi.
6. Bipin Chandra. *India's Struggle for Independence*. Penguin, Delhi
7. Bose, D. M., Sen S. N. and Subbarayappa, B. V. Eds., *A Concise History of Science in India*, 2nd Ed., Universities Press, Hyderabad, 2010.
8. Dharampal, *Some Aspects of Earlier Indian Society and Polity and Their Relevance Today*, New Quest Publications, Pune, 1987.
9. Dharampal, *Indian Science and Technology in the Eighteenth Century: Some Contemporary European Accounts*, Dharampal Classics Series, Rashtrathana Sahitya, Bengaluru, 2021.
10. Dharampal, *The Beautiful Tree: Indian Indigenous Education in the Eighteenth Century*, Dharampal Classics Series, Rashtrathana Sahitya, Bengaluru, 2021.
11. Dutt, R and Sundram. *Indian Economy*. S Chand & Co. Ltd. New Delhi Humayun Kabir *Our Heritage*. National Information and Publications Ltd. Mumbai
12. Khandelwal, N M and Chouhan, Pratap Singh. *Indian Knowledge System (Bhartiya Gyan Parampara)* – Himalaya Publishing House, Mumbai, 2023
13. Romila Thapar. *History of India*. Tylor and Francis
14. Satish Chandra. *History of Medieval India*. Orient Black Swan New Delhi
15. Srikantha Murthy, K. R (Translator) Vol. I, Krishnadas Academy, *Ast ngahrdaya*, Vol. I, *S trasthan a* and *ar rasthan a*, Varanasi, 1991.
16. Srinivas, M. D., The methodology of Indian sciences as expounded in the disciplines of *Ny ya*, *Vy karana*, *Ganita* and *Jyotisa*, in K. Gopinath and Shailaja D. Sharma (eds.), *The Computation Meme: Explorations in Indic Computational Thinking*, Indian Institute of Science, Bengaluru, 2022 (in press).

**Note: Latest edition of text books may be used.**

### **PAPERV BAcctgAC3: HEALTH, WELLNESS AND YOGA**

#### **Course Objectives**

*To help the students to understand the importance of healthy life.*

*To familiarise the students about the physical and mental health.*

*To create awareness about various life style related diseases.*

*To provide understanding of stress and its management.*

#### **Course Content**

**Unit I: Introduction to health and wellness** – Define and differentiate between health and wellness, Importance of health and wellness education, Local, demographic and societal issues and factors affecting health and wellness, Diet and nutrition for health and wellness, Essential components of balanced diet for healthy living with specific reference to the role of unhealthy eating habits carbohydrates, proteins, fats, vitamins and minerals, Processed food and unhealthy eating habits.

**Unit II: Deficiencies and Diseases** – Mal-nutrition, under-nutrition and over-nutrition, Body systems and common diseases, Sedentary life and risk of diseases, Stress, anxiety and depression. Factors affecting mental health, Identification of societal tendencies, healthy food, Prevention of the progress of cancer, hypertension, cardiovascular and metabolic diseases, (Obesity, Diabetes, Polycystic Ovarian Syndrome). Modern life style and hypo-kinetic diseases. Prevention and management through exercise.

**Unit III: Management of health and wellness** – Substance abuse (Drugs, Cigarette, Alcohol), de-addiction, counselling and rehabilitation. Types of physical fitness and its health benefits Postural deformities and corrective measures.

**Unit IV Spirituality and mental health.** Role of Yoga, Asanas and meditation in maintaining health and wellness. Role of sleep in maintaining physical and mental health.

**Unit V Value education** – Concept and importance, Ethics, Ethos, Values and Skills, Values for Individuals, Family, Citizens, Society, Professionals, Accounting professionals, Science, Technology, Management, Entrepreneurship, Environment, Coexistence; Purpose of life, Self-exploration.

#### **Course Exit Learning Outcomes:**

On successful completion of the course the student shall demonstrate:

*Understanding of the importance of healthy life.*

*Familiarity about the physical and mental health.*

*Awareness about various life style related diseases.*

*Understanding of stress and its management.*

#### **Suggested Readings:**

1. Claude Bouchard, Steven N. Blair, and William L. Haskell. *Physical Activity and Health.*
2. Emily Attached and Marzia, Fernandez. *Mental health Workbook.*
3. Khandelwal, N.M. *A Text Book of Value Education.* Himalaya Publishing House, Mumbai
4. Nashay, Lorick. *Mental health Work book for Women: Exercise to Transfer Negative Thought and Improve Wellbeing.*
5. Nyambiechu, C and Jeff Lumiri. *Life Style Diseases: Life Style Management.*
6. Angela, Clow and Sarah Edmunds. *Physical Activity and. Mental Health*

**Note: Latest edition of text books may be used.**

### **PAPER BAcctgVAC4: DIGITAL TECHNOLOGIES**

#### **Course Objectives:**

*To sensitise students about the significance of digital technologies.*

*To provide students with the knowledge of digital technologies*

*To provide understanding of communications networks*

*To develop awareness about e governance initiatives*

*To provide familiarity with emerging digital technologies.*

**Course Contents:**

**Unit I: Introduction to Emergence of Digital Systems:** Role and significance of digital technology; Information and Communication Technology and its tools; Computer system and its working; Software – Types and use; Operating Systems – Types and functions.

**Communication Systems:** Principles, Models, Transmission media, Computer networks; Internet – Concept and applications, www, web browsers, search engines, Messaging, E mail, Social networks.

**Unit II: Computer based Information System:** Significance and types, e commerce and digital marketing – Key concepts, benefits and challenges.

**Digital India and e governance:** Initiatives, infrastructure, services and empowerment.,

**Digital finance:** Unified Payment Interface, Aadhar enabled payment system, USSD, Credit cards, Debit cards, e wallets, Internet banking; NEFT/RTGS and IMPS, Online Bill Payments and P o S.

**Unit III: Forensic Accounting and Fraud detection:**

**Basics of Digital Forensic and Cyber security:** Threats, significance, challenges, precautions, safety measures and tools.

**Unit IV: Auditing of Financial Business processes in SAP/Oracle/MS Dynamics, etc.**

**Unit V: Emerging technologies and their applications:** Overview of Cloud Computing, Big Data, Internet of Things, Virtual Reality, Block Chain, Robotics, Artificial Intelligence, 3 D Printing, Future of Digital Technologies.

**Course Exit Learning Outcomes:**

On successful completion of the course the student shall demonstrate:

*Knowledge about the digital technologies.*

*Awareness of the importance of digital technologies.*

*Understanding of the communication networks*

*Familiarity with e governance initiatives.*

*Knowledge of emerging technologies.*

**Suggested Readings:**

1. Balagurusamy, E. *Fundamentals of Computers*. Tata McGraw Hill
2. Behroz, A. Forouzan. *Communication and Networking*. McGraw Hill Education
3. Chandrasekharan, K. *Essentials of Cloud Computing*. CRS Press.
4. Kumar, P. Tomarand, A. Sharmila, R. *Emerging Technologies in Computing- Theory, Practice and Advances*.
5. Swan, M. *Blockchain: Blue print for a new economy*. O Reilly Media.

**Note: Latest edition of text books may be used.**

**(1) FINANCIAL ACCOUNTING MAJOR**

**BACHELOR OF ACCOUNTING – CERTIFICATE COURSE**

**Eligibility for the UG Programmes:** Senior Secondary School Leaving Certificate or Higher Secondary (12th Grade) Certificate obtained after successful completion of Grade 12 or equivalent stage of education corresponding to Level-4.

**Qualification awarded:** A student qualifying at Semester I and II examinations securing 40 credits shall be awarded **Certificate in Accounting** provided he secures 4 credits in work based vocational courses offered during summer term or internship / Apprenticeship in addition to 6 credits from skill-based courses earned during first and second semester.

## Semester I

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Financial Accounting I	PRC1	Nil	100	45	15	60
Financial Accounting II	PRC2	Nil	100	45	15	60
Indian Accounting Standards	FAMA1	5	100	60	15	75
Corporate Accounting I	FAMA2	5	100	60	15	75
Multi-Disciplinary Course I	MDC1	4	100	45	15	60
Business Communication (English)	AEC1	4	100	45	15	60
Environment Studies	VAC1	2	100	15	15	30
Total		20	700			300

### **PAPER BAacctgFAMA1: INDIAN ACCOUNTING STANDARDS (IND AS)**

#### **Course Objective:**

The course aims to

*Help the students to acquire the conceptual knowledge of the accounting standards being used in India*

*Help the students apply relevant financial reporting standards to key elements of financial reports. The focus will be on process of recognition, measurement and disclosures*

#### **Course Contents:**

**Unit I: Overview of Indian Accounting Standards:** Background and Roadmap for implementing Ind AS - Framework for the presentation and preparation of Financial Statements in accordance with Indian Accounting Standards -Conceptual changes (Fair value, time value of money, Other Comprehensive Income, Compound Financial instruments) – Comparison with IFRS - IND AS-1 (Presentation of Financial Statements)

**Unit II: Accounting for Assets and Liabilities:** IND AS 2 (Inventories) - IND AS 16 (Property, Plant and Equipment) – IND AS 38 (Intangible Assets) – IND AS 36 (Impairment of Assets) Recognition, Measurement and Disclosure in financial statements including accounting policies, Notes and Schedules (including Exercises, Problems and Case Studies in Corporate setup)

**Unit III: IND AS 113 (Fair Value Measurement)** – IND AS 115 (Revenue from Contracts with Customers) - IND AS 37, Provisions, Contingent Liabilities and Contingent Assets Recognition, Measurement and Disclosure in financial statements including Accounting Policies, Notes and Schedules (including Exercises, Problems and Case Studies in Corporate setup)

**Unit IV: Financial Instruments:** IND AS 109 (Financial Instruments) – IND AS 32 (Financial Instruments: Presentation) - IND AS 107 (Financial Instruments: Disclosures) Recognition, Measurement and Disclosures (including Exercises, Problems and Case Studies in Corporate setup)

**Unit V: Disclosure Standards:** IND AS 7 (Statement of Cash Flows) - IND AS 8, Accounting Policies, Changes in Accounting Estimates and Errors - IND AS 24 (Related Party Disclosures) – IND AS 33 (Earnings per share) – IND AS 34 (Interim Financial Reporting) -IND AS 108

(Operating Segments)-IND AS 101 (First Time Adoption of Indian Accounting Standards).  
(Including Exercises, Problems and Case Studies in Corporate setup)

**Course Exit Learning Outcomes:**

On successful completion of the course the student shall demonstrate:

*Understanding of the applicability and provisions of IND AS*

*Application of depreciation on tangible assets, intangible assets and impairment of assets through the Ind AS*

*Understanding the fair value concept, provisions of contingent Contracts, revenue recognition from Contracts.*

*Recognition, measurement and disclosure of Financial Instruments as per IND AS*

*Understanding of the process of disclosures as per Ind AS*

**Suggested Readings:**

- 1.Banka, Anand. *Comprehensive Guide to IND AS Implementation.*
- 2.Garg, Kamal. *IFRS Concepts and Applications.* Bharath Law House Private Limited
- 3.Ghosh, T.P. *IFRS for Finance Executives.* Taxman Allied Services Private Limited
- 4.Gosain, Sariha and Gosain, Rajeeh. *Practical Approach to IND AS Implementation, Illustrations, Summary & Comparisons.*
- 5.Finch, Clare. *A Students' Guide to International Financial Reporting Standards.* Kalpan Publishing.
- 6.Kirk, Robert J. *IFRS: A Quick Reference Guide.* Elsevier Ltd.
- 7.Kumar, Praveen. *Consolidation under IND AS- IFRS Converged Standard*
- 8.Saini, A. L. *IFRS for India,* Snow White Publications.
- 9.Sekhar, G and Prashanth, B Sarvana. *Financial Reporting.* Wolters Kluwer India Pvt Ltd.
- 10.Tripathy, Shibarama. *Roadmap to IFRS and Indian Accounting Standards.*
- 11.Vijay Kumar, M. P. *First Lesson to International Financial Reporting Standards Beginners Guide.* Prime Knowledge Services.
- 12.*IFRS Explained – A guide to International Financial Reporting Standards.* BPP Learning Media.

**Note: Latest edition of text books may be used.**

**PAPER BAacctgFAMA2: CORPORATE ACCOUNTING I**

**Course Objectives:**

The course aims to:

*Help the students to acquire the conceptual knowledge of the Corporate Accounting and to learn the techniques of preparing the Financial Statements.*

*Make the students Practically sound in marinating accounting of Corporate World*

**Course Contents:**

**Unit I: Accounting for Share Capital:** Features and types of companies Share and share capital: nature and types. Accounting for share capital: issue and allotment of equity and preferences shares.

Public subscription of shares – over subscription and under subscription of shares; issue at par and at premium, calls in advance and arrears (excluding interest), issue of shares for consideration other than cash.

Concept of Private Placement and Employee Stock Option Plan (ESOP), Sweat Equity; Accounting treatment of forfeiture and reissue of shares; Disclosure of share capital in the Balance Sheet of a company. Accounting for Debentures

**Accounting for Debentures:** Debentures: Meaning, types, Issue of debentures at par, at a premium and at a discount. Issue of debentures for consideration other than cash; Issue of debentures with terms of redemption; debentures as collateral security-concept, interest on debentures. Writing off discount / loss on issue of debentures.

**Note:** Discount or loss on issue of debentures to be written off in the year debentures are allotted from Security Premium Reserve (if it exists) and then from Statement of Profit and Loss as Financial Cost (AS 16)

**Unit II: Final Accounts of Companies:** Meaning, Nature, Uses and importance of financial Statement. Statement of Profit and Loss and Balance Sheet in prescribed form with major headings and sub headings (as per Schedule III to the Companies Act, 2013). Preparation of Statement of Profit and Loss and Balance Sheet of Corporate Entities and Disposal of Company Profits. Cash flow statement. Notes on Accounts.

**Note:** Previous years' Proposed Dividend to be given effect, as prescribed in AS-4, Events occurring after the Balance Sheet date. Current years' Proposed Dividend will be accounted for in the next year after it is declared by the shareholders

**Unit III: Cash Flow Statement:** Meaning, objectives Benefits, Cash and Cash Equivalents, Classification of Activities and preparation (as per AS 3 (Revised) (Indirect Method only)

**Notes:**

(i) Adjustments relating to depreciation and amortization, profit or loss on sale of assets including investments, dividend (both final and interim) and tax.

(ii) Bank overdraft and cash credit to be treated as short term borrowings.

(iii) Current Investments to be taken as Marketable securities unless otherwise specified.

**Unit IV: Treatment of Profits Prior to Incorporation:** Introduction to the process on incorporation of company, Accounting of Income and Expenses during Pre and Post Incorporation Period, basis of allocation and apportionment of Income and Expenses for the Pre and Post Incorporation Period.

**Internal Reconstruction of Company:** Concepts and accounting treatment as per Accounting Standard 14, treatment of Reconstruction

**Unit V: External Reconstruction & Amalgamation & Absorption:** Process and presentation of accounts in External Reconstruction - Amalgamation of companies – Meaning –features – Purchase Consideration – methods (lump sum payment method, net asset method, intrinsic value of share method – Absorption Process and Accounting entries – practical problems in all three situations.

**Course Exit Learning Outcomes:**

*Ability to understand the Issue, forfeiture, Reissue of Shares – Debenture Issue and Redemption*

*Ability to prepare final Accounts with important adjustments at the end of the year as per Company Law*

*Ability to account for the Profits Prior to Incorporation*

*To know the process and accounting of External Reconstruction*

*To understand the process and accounting procedure involved in Amalgamation, Absorption and Reconstruction*

**Suggested Readings:**

1. Gupta R.L. Radhaswamy. *Advanced Account*. Sultan Chand and Sons.



2. Jain S.P. and Narang, K.L. *Corporate Accounting*, Kalyani Publishers, New Delhi.
3. Maheshwari, S.N. *Fundamentals of Corporate Accounting*, Taxman Publication, New Delhi.
4. Monga, J.R. *Fundamentals of Corporate Accounting*. Mayur Paper, New Delhi.
5. Sehgal, Ashok. *Fundamentals of Corporate Accounting*. Taxman Publication, New Delhi.
6. Shukla, M.C. Grewal, T.S. and Gupta, S.C. *Advanced Accounts, Vol.11*, S. Chand & Co, New Delhi.

**Note: Latest edition of text books may be used.**

### Semester II

Subjects	Course	No. of Credits	Max. Marks	Lecture Hours	Practical Hours	Total Hours
Cost Accounting I	CMAMA1	5	100	60	15	75
Auditing and Assurance	AAMA1	5	100	60	15	75
Multi-Disciplinary Course 2	MDC2	4	100			60
Computerised Accounting	SEC1	3	100	15	30	45
Understanding India	VAC2	2	100	30		30
Internship	II	2				45
Total		21	500			300

#### **PAPER BAacctgCMAMA1: COST ACCOUNTING-I**

##### **Course Objectives:**

The course aims to:

*Provide basic knowledge about cost concepts, preparation of cost sheet and ascertainment of cost of a product or service by using cost accounting methods.*

*Explain the basic cost concepts, types of costing methods and techniques*

##### **Course Contents:**

**Unit-I: Introduction:** Meaning and Definition: Cost – Costing – Cost Accounting – Cost Accountancy – Objectives of Cost Accounting – Scope of Cost Accounting – Differences between Cost Accounting and Financial Accounting – Functions of Cost Accountant – Users of Cost Accounting – Essentials of a Good Cost Accounting System – Installation of Costing System – Cost Objects – Responsibility Centres – Advantages and Limitations of Cost Accounting – Classification of Costs – Methods of Costing – Techniques of Costing – Meaning of Cost Standards (Concepts and Theory only)

**Unit-II: Material & Labour Cost:** Introduction – Material Control - Elements of Material Control – Materials Procurement Procedure – Valuation of Material Receipts – Material Storage and

Records – Techniques of Fixing Level of Stock: Re-order Stock Level – Re-order Quantity – Minimum Stock Level – Maximum Stock Level – Average Inventory Level – Danger Level – Buffer Stock – Techniques of Inventory Control: ABC Analysis – FSN – HML – VED – JIT – Stock taking and Perpetual Inventory Control – Valuation of Material Issues: Cost Price Methods – Average Price Methods – Market Price Methods – Notional Price Methods

**Employee Cost** - Employee Cost – Employee Cost Control – Attendance and Payroll Procedures: Time Keeping - Time Booking – Payroll Procedure – Idle Time – Overtime – Labour Utilization - Systems of Wage Payment and Incentives: Time Based – Output Based – Premium Bonus Methods – Absorption of Wages – Efficiency Rating Procedures – Employee Turnover: Meaning – Causes – Effects. (Including problems)

**Unit-III: Overheads:** Introduction – Classification of Overheads – Accounting and Control of Manufacturing Overheads – Steps for distribution of overheads – Methods of absorbing overheads to various products or Jobs – Types of Overheads Rates – Treatment of Under / Over Absorbed Overheads – Accounting and Control of Administrative Overheads – Accounting and Control of Selling & Distribution Overheads – (including problems)

**Unit-IV: Cost Sheet:** Introduction – Functional Classification of Elements of Cost – Cost Heads in Cost Sheet: Prime Cost – Cost of Production – Cost of Goods Sold – Cost of Sales – Cost Sheet: Preparation and Presentation of Cost Information – Advantages of Cost Sheet – Methods of Costing - Single Output Cost; Unit Costing, Job Costing, Batch Costing. (Including illustrative problems)

**Unit V - Methods of Costing:** Job costing, Batch costing, Contract Costing, and Process Costing. (Including illustrative problems on each method of costing)

**Course Exit Learning Outcomes:**

After learning this course students should be able to:

*Able to have a clear knowledge about cost concepts, cost elements, methods and techniques of costing*

*Understand the elements of material control, Inventory control and Labour cost control.*

*Know the payroll system and procedures, types of wages payment and incentive methods and effect of labour turnover on production*

*Know the classification of overheads and accounting of control of manufacturing, administrative and selling & distribution overheads.*

*Prepare a Cost Sheet for Single Output/Unit Costing*

*Ascertain costs in Job Costing, Batch Costing, Contract Costing Process Costing Service Costing*

**Suggested Readings:**

1. Banerjee, B. *Cost Accounting: Theory and Practice*: Prentice Hall of India.
2. Horngren, Charles. *Cost Accounting*: Pearson Education.
3. Jain and Narang. *Cost Accounting*: Kalyani Publishers.
4. Jawaharlal, *Cost Accounting*: Tata Mc Graw Hill.
5. Kishore, Ravi M. *Cost Accounting*. Tax Mann Publications.

6. Srihari, Krishna Rao, *Cost Accounting*: Himalaya Publishing House.
7. Tulsian. *Introduction to Cost Accounting*, S. Chand & Co.
8. Yogeshweran, G. *Cost Accounting*. P.B. Publications.

**Note: Latest edition of text books may be used.**

## **PAPER BAacctgAAMA1: AUDITING AND ASSURANCE**

### **Course Objective:**

This course aims at:

*Imparting knowledge about the principles and methods of auditing and their applications*

### **Course Contents:**

**Unit I: Introduction to Auditing:** Introduction – Meaning - Definition – Objectives – Differences between Accountancy and Auditing – Types of Audit - Advantages of Auditing – Preparation before commencement of new Audit – Audit Notebook – Audit Working Papers – Audit Program, Recent Trends in Auditing: Nature & Significance of Tax Audit – Cost Audit - Management Audit - Forensic audit.

**Unit II: Internal Control:** Internal Control: Meaning and objectives. Internal Check: Meaning, objectives and fundamental principles. Internal Check as regards: Wage Payments, Cash Sales, Cash Purchases. Internal Audit: Meaning - Advantages and Disadvantages of Internal Audit – Differences between Internal Check and Internal Audit. E- Applications in internal control and check.

**Unit III: Vouching:** Meaning -Definition – Importance – Routine Checking and Vouching – Voucher -Types of Vouchers –Vouching of Receipts: Cash Sales, Receipts from debtors, Proceeds of the sale of Investments. Vouching of Payments: Cash Purchases, Payment to Creditors, Deferred Revenue Expenditure E-vouching, uses and limitations.

**Unit IV: Verification and Valuation of Assets and Liabilities:** Meaning and Objectives of verification and valuation– Position of an Auditor as regards the Valuation of Assets – Verification and Valuation of different Items: Assets: Land & Building, Plant& Machinery, Goodwill – Investments - Stock in Trade. Liabilities: Bills Payable – Sundry Creditors – Contingent Liabilities.

**Unit V: Auditor of Limited Companies:** Company Auditor – Appointment – Qualification - Powers - Duties and Liabilities – Professional Ethics of an Auditor

**Note:** Text to be explained along with the relevant Standards on Audit (SAs) issued by the Institute of Chartered Accountants of India (ICAI).

### **Course Exit Learning Outcomes:**

On the successful completion of course, the students will be able to:

*Articulate knowledge of fundamental audit concepts*

*Demonstrate awareness, knowledge and appreciation in application of auditing principles and practices in business operations.*

*Describe the auditor's responsibility for assessing fraud risk and detecting fraud.*

*Understand the role of an Auditor in verifying and valuation of Assets and Liabilities*

*Understand and follow the ethical standards in audit profession*

### Suggested Readings:

1. Gupta, Kamal. *Practical Auditing*. Tata Mac Graw Hill.
2. Gupta, Kamal. *Contemporary Auditing*. Tata Mc. Graw-Hill, New Delhi.
3. Manjunatha, J. M. and Others. *Auditing and Assurance*. Himalaya Publishing House.
4. Pagare, Dinakar. *Practice of Auditing*. Sultan Chand & Sons.
5. Ramaswamy, M. S. *Principles and Practice of Auditing*.
6. Sharma, T.R. *Auditing Principles and Problems*. Sahitya Bhawan, Agra.
7. Sharma, T.R. *Auditing*. Sahitya Bhavan, Agra.
8. Saxena, R.G. *Principles of Auditing*.
9. Saxena, R.G. *Principles and Practice of Auditing*. Himalaya Publishing House
10. Tandon, B.N. *Principles of Auditing*. S. Chand and Company, New Delhi.
11. Tandon, B. N. *Practical Auditing*, Sultan Chand & Sons.

**Note: Latest edition of text books may be used.**

### BACHELOR OF ACCOUNTING - ADVANCED DIPLOMA

**Pre-Requisite:** A student after qualifying at I and II semesters on further qualifying at III and IV semesters' examinations securing 80 credits will be awarded **Advanced Diploma in Accounting** provided he secures additional 4 credit in skill based vocational courses offered during first year or second year summer term.

**Qualification awarded:** Students who opt to exit after completion of the second year and have secured 80 credits will be awarded the UG diploma if, in addition, they complete one vocational course of 4 credits during the summer vacation of the second year.

### Semester III

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Income Tax I	TXMA1	5	100	60	15	75
Statistical Applications in Business	DAMA1	5	100	60	15	75
Multi-Disciplinary Course 3	MDC3	4	100			60
Business Communication (MIL)	AEC2	4	100			60
Health, Wellness & Yoga	VAC3	2	100	15	15	30

Total		20	500			300
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## PAPER BAacctgTXMA1: INCOME TAX I

### Course Objectives:

The objective of this paper is to:

*Make the student to gain knowledge about the direct tax laws in force for the relevant previous year.*

*Provide insight to understand the computation of Income under various heads for the assessment of tax liability for various assesses.*

### Course Contents:

**Unit I: Income Tax Act, 1961 – An Overview:** Background, Important definitions, Determination of Residential Status, Basis of Charge, Scope of Total Income, Tax Rates in accordance with the applicable Finance Act for the relevant assessment year, Agricultural Income, Incomes which do not form part of total Income,

**Unit II: Computation of Income under the head Salaries:** Salary – Coverage, Employer and Employee Relationship, Allowances, Monetary and Non-Monetary Perquisites–Valuation and Taxability, Profits in lieu of Salary, Deductions against Salary, Incomes exempt from Tax and not includible in ‘Salary’, Deduction to be made from salary in respect of Provident Fund under the provisions of the Provident Fund and Miscellaneous Provisions of Act 1952 and tax treatment of employers’ contribution to Provident Fund, Tax Deducted at Source on Salary Income and Compliances, Practical Case Studies.

**Income from house property:** Chargeability, Owner of house property, Determination of Annual Value, Deduction from Net Annual Value, Treatment of Unrealized Rent, Arrears of Rent, Exemptions, Computation of Income from a let-out House Property, Self-Occupied Property, Practical Case Studies.

**Unit III: Income from Profits and Gains from Business and Profession:** Profits and Gains from Business and Profession: Business and Profession – An overview, Chargeability, Profits and Losses of Speculation Business, Deductions Allowable, Expenses Disallowed, Deemed Profits u/s 41, Maintenance of Accounts, Tax Audit, Presumptive Base Taxation, Practical Case Studies.

**Unit IV: Capital Gains and income from other sources:** Chargeability, Capital Gains, Capital Assets & Transfer, Types of Capital Gains, Mode of Computation of Capital Gains, Exemptions and Deduction, Special Provision – Slump Sale, Compulsory Acquisition, Fair Market Value, Reference to valuation officer, Practical Case Studies; Taxation of Dividend u/s 2(22)(a) to (e), Provisions relating to Gifts, Deductions, Other Miscellaneous Provisions, Practical Case Studies.

**Unit V: Computation of total income of different assesses:** Gross Total Income, Deductions under section 80, clubbing of income, setoff and carry-forward of losses, computation of total Income assessment of Individuals, HUFs, Firms, including LLPs, AOP’s and Trusts.

### **Course Exit Learning Outcomes:**

On successful completion of the course, the student will be able to

*Understand the latest provisions of income tax, rates of tax, cess etc as applicable for the Assessment year.*

*Understand the basis of Charge of income tax based on residential status of assesses. Identify incomes which are taxable and those that are exempted.*

*Understand and apply the basis of charge of income with a focus on different heads on income.*

*Compute taxable income under different heads of income. Compute total taxable income of different assesses.*

*Work as tax consultant, audit assistant and other supporting services*

### **Suggested Reading:**

1. Manoharan, T. N. *Students Handbook on Income Tax Law*, Snow White Publications
2. Mehrotra, H. C. *Income Tax Law and Accounts including Tax Planning*, Sahitya Bhawan Publications.
3. Narang and Gaur. *Income Tax*. Himalaya Publishing House.
4. Prasad, B. *Direct Taxes -Law and Practices*. Wishwa Prakashana
5. Singhania Vinod K. and Singhania, Kapil. *Direct Tax Planning and Management*, Taxman.
6. Singhania, Vinod, K. *Direct Taxes - Law and Practices*. Taxman.
7. Srinivas, E. A. *Corporate Tax Planning*. Tata Mc Graw Hill
8. *Income tax Act, 1961 as amended till date.*

**Note: Latest edition of text books may be used.**

### **PAPER BAacctgDAMA1: STATISTICAL APPLICATIONS IN BUSINESS**

#### **Course Objectives:**

The course aims to:

*Familiarize the students with various Statistical Data Analysis tools that can be used for effective decision making in business.*

*Emphasize on the application of the concepts learnt to various managerial situations.*

## Course Contents:

**Unit-I Introduction to Statistics:** Statistics - Meaning, Definition, Scope of Statistics: In Industry, Economics, and Management. Meaning of primary and secondary data - Qualitative and Quantitative data - Discrete and Continuous variables- Frequency and Frequency Distribution.

**Sampling Techniques:** Need and meaning, Definitions of Population, Sample, Sampling, Advantages of Sampling over Census method, Methods of Sampling- Random & Non-Random sampling.

**Measures of Central Tendency:** Concept of Central Tendency- Requirements of good statistical average- Arithmetic Mean, Geometric Mean, Harmonic Mean – Weighted Average.

**Positional Averages:** Median and Mode, Partition values (Quartiles and Deciles, Percentile), Empirical relation between Mean, Median and Mode- Merits and Demerits of Mean, Median and Mode. Exercises on Analysis and Interpretation of Measures of Central Tendency.

**Unit-II Measures of Dispersion:** Concept of Dispersion, Requirements of good measures of dispersion. - Absolute and Relative measures of dispersion. Range, Quartile Deviation (Q.D.) Mean Deviation (M.D.) Standard Deviation (S.D.) and Variance: Combined S.D. for two groups, Coefficient of Variation (C.V.): Definition and Its Uses -Merits and Demerits of Q.D., M.D. and S.D – Measures of Skewness – Karl Pearson and Bowley’s coefficients of Skewness. Exercises on Analysis and Interpretation of Dispersion Measures.

**Unit-III Analysis of Bi-variate data:** Correlation-Concept and Types of correlation-Methods of studying correlation, Scatter Diagram, Karl Pearson’s correlation coefficient, Spearman ‘s rank correlation coefficient, Coefficient of Determination.

**Regression:** Concept of regression, Lines of regression, Regression Coefficients, Relation between correlation coefficient and regression coefficients. Exercises on Analysis and Interpretation of Correlation and Regression

**Unit-IV: Analysis of Time Series:** Definition and Uses of Time Series, Components of time series, Methods of determination of Trend and Seasonal Variations.

**Index Numbers:** Need and meaning of Index Numbers, Price, Quantity and Value based index numbers, - Simple and Weighted index numbers, Fisher’s Ideal index numbers. Tests Of adequacy of index numbers. Exercises on Index Numbers.

**Unit V: Probability and Baye’s theorem:** Probability Concepts: Experiment, Event, Mutually Exclusive, Collectively Exhaustive and Equally likely- Sample Space, Simple & Compound Events, Approaches to Probability Classical definition of Probability- Empirical approach, Subjective approach and Axiomatic Approach – Counting Rules: Permutations and combinations. Theorems of Probability – Addition, Multiplication, Conditional, Joint and Marginal Probability and Baye’s Theorems of Probability. Exercises on probability.

## Course Exit Learning Outcomes:

At the end of the course students should be able to:

*Understand the basics of statistics and its applications.*

*Summarize data sets using Descriptive statistics.*

Analyse the relationship between two variables of various managerial situations ·

Interpret Correlation and Regression

Understand applications of Time Series and Index Numbers

Analyse managerial decision problems using Probability

### Suggested Readings:

1. Gupta, S.C. *Fundamentals of Statistics*. Himalaya Publishing House.
2. Gupta S.P. and Archana Gupta. *Elementary Statistics*. Sultan Chand and Sons, New Delhi.
3. Mizrahi and John Sullivan. *Mathematics for Business and Social Sciences*. Wiley and Sons.
4. Richard Levin and David S. Rubin. *Statistics for Management*, Prentice Hall of India, New Delhi.
5. Sharma, J. K. *Business Statistics*. Pearson Education.
6. Spiegel, M.R. *Theory and Problems of Statistics*.
7. Thukral, J. K. *Mathematics for Business Studies*. Mayur Publications
8. Vohra, N. D. *Business Mathematics and Statistics*, McGraw Hill Education (India) Pvt Ltd
9. *Schaum's Outlines Series*. McGraw Hill Publishing Co.

**Note: Latest edition of text books may be used.**

### Semester IV

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Corporate Accounting II	FAMA2	5	100	60	15	75
Financial Reporting	FAMA3	5	100	60	15	75
Course from Minor	MI1	5	100	60		75
E- Auditing	SEC2	3	100	15	30	45
Internship	1-2	2				45
Total		20	500			300

### PAPER BAacctgFAMA2: CORPORATE ACCOUNTING II

#### Course Objectives:

This course aims to:



Provide students with knowledge on Corporate Accounting provisions and practice.

Develop knowledge and skill of corporate accounting.

### **Course Contents**

**Unit I: Accounts of Holding Companies:** Meaning of Holding Company and Subsidiary Company, Holding Company Accounts with its only one Subsidiary Company, Consolidated Balance Sheet, Pre-acquisition and Post-acquisition of Profit, Inter-company Debts, Bills and Debentures, Cost of Control, Minority Interest, Practical Problems

**Unit II: Liquidation of a Company:** Legal provisions; Over-riding preferential payments Statement of Affairs and Deficiency/Surplus Account, Liquidator's Final Statement of Account.

**Unit II: Hire purchase and Lease Accounting:** Hire purchase system, Provisions of Hire Purchase Act 1972, Preparation of hire purchase accounts. Leasing, Difference between Hire purchase and lease, Differences in accounting treatment, Types of leases, Terminology of leases, Financial lease – Treatment in books of lessor and lessee, Operating lease – Treatment in books of lesser and lessee, Sale and lease back – Treatment in books of lesser and lessee.

**Unit IV: Banking Company Accounts:** General Information relating to book keeping system, Books section, Ledger section, Registers' section, Slip-system of ledger posting, Legal requirements affecting final accounts, Specimen form of accounting policies; preparation of profit and loss account, Asset classification, Income from non-performing assets, Preparation of balance sheet.

**Unit V: Insurance Company Accounts:** Commercial and legal background of Insurance business, Contracts of insurance, books maintained by insurance companies, Explanation of special terms peculiar to insurance business, Accounts of life insurance business, Types of policies, Annuity business, Surrender value, Paid-up policies, Life insurance fund, Valuation balance sheet, Preparation of final accounts, Revenue accounts, Accounts of general insurance business.

### **Course Exit Learning Outcomes:**

Upon the completion of this qualification, the student should be able to demonstrate:

Knowledge on Corporate Accounting provisions and practice.

Knowledge and skill of corporate accounting

### **Suggested Readings**

1. Gupta, R.L. & Radhaswamy, Advanced Accountancy: Sultan Chand & Sons
2. Haneef and Mukherjee. Accountancy-I & II, Tata McGraw Hill Co
3. Jain S.P. & Narang, K.L. Accountancy-I. Kalyani Publishers.
4. Jawaharlal Lal. Financial Accounting. Himalaya Publishing House.
5. Maheshwari, S.N. & V. L. Maheshwari Advanced Accountancy-I&II. Vikas.
6. Maidasani, Dinesh Mastering Tally. Firewall Media
7. Sehgal, Deepak. Fundamentals of Financial Accounting. Tax Mann Publication
8. Shukla, and Grewal. Advanced Accountancy. S. Chand & Co, New Delhi.

**Note: Latest edition of text books may be used.**

### **PAPER BAacctGFAMA3: FINANCIAL REPORTING**

#### **Course Objectives:**

The objective of this course is to:

*Enable the student to understand the structure, contents, compliance and recent developments in corporate reporting.*

## Course Contents:

**Unit I: Preparation and Presentation of Financial Statements in Compliance with Legal and Regulatory Requirements:** Preparation and presentation of financial statements for single companies, not for profit and public sector entities, Criteria for information appearing in a published income statement and balance sheet, Income statement, Balance sheet, Statement of changes in equity, Reporting comprehensive income, Segmental reporting, Accounting policies, Fair view treatment, Chairman's statement and directors' report, Management Discussion and Analysis, Notes to the accounts, Cash flow statements, Preparation of published accounts complying with accounting standards.

**Unit II: Fundamental Ethical and Professional Principles:** Professional behaviour and compliance with accounting standards, Ethical requirements of corporate reporting and the consequences of unethical behaviour.

**Unit III: Trends in Financial Reporting:** Integrated reporting, Principles, Integrated reporting by listed companies' SEB/ regulations (LODR) (Listing obligations and Disclosure requirements) sustainability reporting – concept, forms, benefits, Global reporting initiative (GRI). Triple bottom line reporting (TBL) – concept, benefits, implementation, forms, users, Financial reporting vis-à-vis Triple bottom line reporting, Challenges. Corporate Social Responsibility- Meaning, importance, requirements and users of CSR Report, benefits, reading of CSR Report, Evaluation of CSR reports, innovation in CSR Reporting (Case Studies). CSR reporting in Indian context, CSR guidelines issued by ICAI, Value Added Statement, Human Resource Reporting (Case Studies), corporate environment accounting and audit, Accounting for carbon credit.

**Unit IV: Financial Reporting for Financial Institutions:** Financial reporting for financial institutions, Qualities of Financial Reporting in Banking, RBI Guideline of Financial Reporting, RBI Prudential Norms. Financial Reporting by mutual funds, Non-banking finance companies, Merchant Bankers, Stock, and commodity market intermediaries.

**Unit V: Extensible Business Reporting Language (XBRL):** Introduction to XBRL, Need for XBRL Adoption, Technical terms used in XBRL, Regulatory framework of XBRL in India, Benefits and Myths of XBRL, Role of preparers of Financial Statements.

## Course Exit Learning Outcomes:

On successful completion of the course, the student will be able to:

- Apply fundamental ethical and professional principles to ethical dilemmas and discuss the consequences of unethical behaviour*
- Evaluate the appropriateness of the financial reporting framework and critically discuss changes in accounting regulation*
- Understand the differences in reporting of limited companies, Banks, NBF and financial market intermediaries.*
- Analyse and measure the Sustainable Reporting of the firms.*
- Equip with the Recent Developments happening in Financial Reporting*

□ Explore the basic aspects of XBRL and its impact on Financial Reporting.

### **Suggested Readings:**

1. Agarwal, Sanjay K. *Corporate Social Responsibility in India*. SAGE Response
2. Banka, Anand. *Comprehensive Guide to IND AS Implementation*.
3. Garg, Kamal. *Corporate Social Responsibility*. Bharath Publication
4. Garg, Kamal. *IFRS Concepts and Applications*. Bharath Law House Private Limited
5. Ghosh, T. P. *IFRS for Finance Executives*. Taxman Allied Services Private Limited
6. Gosain Sariha, and Gosain, Rajeeh. *Practical Approach to IND AS Implementation, Illustrations, Summary & Comparisons*
7. Kirk, Robert J. *IFRS: A Quick Reference Guide*. Elsevier Ltd.
8. Kumar, Praveen. *Consolidation under IND AS- IFRS Converged Standard*
9. Saini, A. L. *IFRS for India*, Snow White Publications
10. Tripathy, Shibarama. *Roadmap to IFRS and Indian Accounting Standards*.
11. Vijay Kumar, M. P. *First lesson to International Financial Reporting Standards Beginners Guide*. Prime Knowledge Services.
12. *IFRS explained – A Guide to International Financial Reporting Standards*. BPP Learning Media

**Note: Latest edition of text books may be used.**

### **3-YEAR BACHELOR OF ACCOUNTING DEGREE**

**Pre-requisite:** A student after qualifying at I and II semesters on further qualifying at III and IV semesters' examinations securing 80 credits will be awarded Advanced Diploma in Accounting provided he secures additional 4 credit in skill based vocational courses offered during first year or second year summer term.

**Qualification awarded:** A student on qualifying at I, II, III, IV semesters and thereafter qualifying at V and VI Semesters' examinations securing 120 credits shall be awarded 3-year **Bachelor of Accounting Degree in the Major discipline.**

#### **Semester V**

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Advanced Financial Accounting	FAMA5	5	100	60	15	75
Financial Analysis	FAMA6	5	100	60	15	75
Course from Minor	MI-2	5	100	60	16	75

Course from Minor	MI-3	5	100	60	15	75
Total		20	400			300

### **PAPER BAacctgFAMA5: ADVANCED FINANCIAL ACCOUNTING**

#### **Course Objectives:**

The course aims at:

*Providing advance knowledge to students in contemporary areas of business transactions and activities and their Accounting.*

#### **Course Contents:**

**Unit I: Environmental Accounting:** Concept, Need, Objectives, Scope – Global Environment accounting, National Environment accounting, Corporate Environment accounting; Process of environment accounting – Identification and appraisal, Communication, Remediation, Analysis and Control; Environmental costs, Potential and hidden costs; Environment cost centres, Environment management accounting; Environment accounting for reporting; Practical Exercises and Case studies.

**Unit II: Social Accounting and Audit:** Concept, Features, Importance, Uses, Components of social accounting – Production account, Consumption account, Government account, Capital account, Foreign account; Presentation of social accounts for corporate and country, Social accounting reports; Issues in social accounts; Social audit, Methodology of social audit; Social audit of MHNREGA in India. Practical Exercises and Case studies of Indian companies.

**Unit III: Sustainability Reporting:** Concept, Objectives, Scope – Strategic goals, Sustainable activities, Status of performance, Corporate sustainability reporting; Common Framework for Sustainability Reporting of Global Reporting Initiative, Netherlands. Practical Exercises and Case studies of Indian companies.

**Unit IV: Integrated Reporting:** Concept, Objectives, History and developments, International Integrated Reporting Council Initiative; Framework of integrated reporting – Vision, Values Capital (Financial, Products, Intellectual, Human, Social and Relationship, Nature), Integrated Reporting by companies in India; the SEBI recommendations; Practical Exercises and Case studies of Indian companies.

**Unit V: Productivity Accounting:** Concept, Importance, Measurement of productivity, Partial productivity measurement, Total productivity measurement; Measuring changes in efficiency of activities and processes; Productivity in service providing enterprises and in not-for-profit organizations; Case studies in productivity accounting in Indian enterprises and Practical Exercises.

**Value Chain Analysis:** Concept, Value chain linkages; Internal linkages; Supplier linkages; Customer linkages; Role of value-chain in decision analysis; Practical Exercises and Case studies of Indian companies.

#### **Course Exit Learning Outcomes:**

Upon the completion of this course, the student should be able to demonstrate:

*Ability to compile and critique the advanced external financial reports, including Environmental accounting reports, Social accounting reports, Sustainability reports and Integrated reports based on extensive and deep knowledge of best practices, methods and techniques relevant to external financial reporting practices.*

*Ability to use a range of specialised skills to identify, analyse and address complex, abstract and/or integrated financial problems by drawing systematically from the standards, methods and techniques relevant to financial accounting practices according to the demand of the contextualised problem.*

*Ability to present contextualised financial opinion and arguments on unfamiliar, complex*

*and uncertain financial accounting problems by selecting and applying self-regulated learning skills, methods, standards and techniques appropriate to contemporary financial reporting practices.*

**Suggested Readings:**

1. Maheshwari, S. N. *Advanced Accountancy, Vol II.* Vikas Publishing House
2. Sehgal, A. and Sehgal, D. *Advanced Accounting, Vol. II.* Taxman Publications
3. Shukla, M.C. and Grewal, T.S. *Advanced Accounts, Vol. II,* S. Chand & Company

**Note: Latest edition of text books may be used**

**PAPER BAacctgFAMA6: FINANCIAL ANALYSIS**

**Course Objectives:**

The objective of this course is to:

*Make the student understand the basic aspects of firm's financial statements and to develop them.*

*Measure their performance and to establish basis for making reasonable valuation estimates.*

**Course Contents:**

**Unit I: Introduction to Financial Analysis:** Finance and accounting – meaning –Types of companies – elements of financial statement analysis – on the basis of materials used – on the basis of modus operandi – General Comparison between financial and non-financial listed companies' performance through annual report as a bench marking against competitor and industry.

**Unit II: Financial Statement Analysis:** Financial Statement Analysis: Meaning, Significance Objectives, importance; Analysis and interpretation of financial statements from investor and company point of view, Horizontal Analysis and Vertical Analysis of Company Financial Statements. Cash flow analysis Tools for Financial Statement Analysis: Cash flow analysis, ratio analysis - Accounting Ratios: Meaning, Objectives, Advantages, classification and computation; Liquidity Ratios: Current ratio and Quick ratio. Solvency Ratios: Debt to Equity Ratio, Total Asset to Debt Ratio, Proprietary Ratio and Interest Coverage Ratio. Debt to Capital Employed Ratio. Activity Ratios: Inventory Turnover Ratio, Trade Receivables Turnover Ratio, Trade Payables Turnover Ratio, Fixed Asset Turnover Ratio, Net Asset Turnover Ratio and Working Capital Turnover Ratio. Profitability Ratios: Gross Profit Ratio, Operating Ratio, Operating Profit Ratio, Net Profit Ratio and Return on Investment. Prospective analysis, Du Pont Analysis and Du Pont Chart. Limitations of financial statement analysis.

**Unit III: Credit and Equity Risk Analysis:** Meaning, Purpose of Credit Risk Analysis, Drivers that Quantify Credit Risk, Types of credit Risk; concept of credit rating, models for prediction of Bond rating and Bond risk premium. Types of equity risk, Techniques and process of equity risk analysis using financial information.

**Distress Analysis:** Meaning of financial distress and corporate failure; causes and symptoms of failure; models for prediction of corporate failure.

**Unit IV: Valuation of Firm & Forecasting Analysis:** Cash based and Earnings based, Valuation models, growth and sustainability of earnings. Simple forecasting and simple Valuation, full information forecasting and Valuation, Business strategy analysis.

**Unit V: Financial Measures of Performance:** Introduction – Return on Investment (ROI): Concept – Uses and Limitations – Value Added Statement - Market Value Added (MVA), Economic Value Added (EVA): Concept and Significance of EVA, Measurement of EVA, and Shareholder Value Added.

**Balanced Score Card (BSC):** Introduction, drawback of traditional financial measures, attributes to good performance measurement system, concept of balanced score card, perspectives of BSC and implementation of balanced score card, case studies on BSC.

**Note:** Financial statement analysis including the ‘Ratio analysis’ and ‘Cash flow Analysis’ shall be explained as a case study using Financial Statements of some company.

**Course Exit Learning Outcomes:**

On the successful completion of the course, the student will be able to:

- Describes and apply the basic techniques of financial statement analysis;*
- Explain the relationship between strategic business analysis, accounting analysis and financial analysis;*
- Assess managerial strategic motives in reporting financial information and ways to adjust for such motives.*
- Identify and utilise value-relevant information contained within financial statements;*
- Project and forecast firm future performance.*

**Suggested Readings:**

1. Bernstein, Leopold A. and Johan J, Wild. *Analysis of Financial Statements*. Tata McGraw Hill, New Delhi.
2. Helfert, Erich A. *Techniques of Financial Analysis*. Tata McGraw Hill.
3. Khan M. Y. and Jain, P.K. *Advanced Financial Management*. Tata McGraw Hill, New Delhi.
4. Pandey, I. M. *Advanced Financial Management*. Vikas Publishing home Pvt Ltd, New Delhi.
5. Penman, Stephen H. *Financial Statement Analysis*. McGraw Hill, International Edition, New York
6. Vause, Bob. *Analysing Companies*. The Economist, Profile Books Ltd, London.
7. Wild, Subramanyam and Halsey. *Financial Statement Analysis*. Tata McGraw Hill.

**Note: Latest edition of text books may be used.**

## Semester VI

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Accounting for Financial Institutions	FAMA7	5	100	60	15	75
Government Accounting	FAMA8	5	100	60	15	75
Course from Minor	MI4	5	100	60	15	75
E-Tax Compliance	SEC3	3	100	15	30	45
Internship	I-3	2				45
Total		20	400			300

### **PAPER MAcctgFAMA7: ACCOUNTING FOR FINANCIAL INSTITUTIONS**

#### **Course Objectives:**

The course aims to:

*Develop understanding of the students on financial accounting requirements for financial institutions.*

*Develop understanding of the students of the requirements of law, supervisory authorities and regulatory requirements for banks, insurance companies and other financial institutions.*

*Develop understanding and skill of the students for maintaining the financial accounts of Banking companies, Insurance companies and other financial institutions as per the legal requirements.*

*Develop understanding and skill of the students for maintaining the financial accounts of financial services companies.*

#### **Course Contents:**

**Unit I: Banking Company Accounts:** Accounting legislation for banks, Banking Company Accounts; Special features of bank accounts - Division of bank accounts (committed and internal accounts), Basic characteristics of their application; Cash, bank accounts, liabilities from short sales, Deposits and loans by issuing banks, Deposits, loans and other claims and liabilities from other banks; Client Accounts - Standard and classified loans and other claims for customers, Client deposits; Securities, derivatives, other claims and liabilities and transitional accounts; Intangible, tangible property, shares, securities held to maturity, foreign subsidiaries and agencies; Capital accounts, long-term liabilities and closing Accounts; Costs, profits; Off-balance sheet accounts; legal framework, Risks measurement and disclosures, Capital adequacy (Basel II and Basel III), Performance analysis. Preparation of Profit and Loss Account and Balance Sheet of a Banking Company.

**Unit II: Insurance Company Accounts:** Insurance Company Accounts; Special features; Legal regulation of accountancy of insurance companies, Specific terms - Insurance terminology; Accounting of reserves; Technical, other reserves and non-technical accounts; Accounting for insurance contracts, risk disclosure, Company's capital adequacy,

Accounting of Life, Fire, Marine, Motor Vehicles, and Health insurance Companies; Preparation of Revenue Accounts, Statement of Profit and Loss, Balance Sheet; Legal framework of financial reporting; Annual reports of insurance companies; Company's performance analysis.

**Unit III: NBFC Accounts:** Evolution of non-bank financial companies (NBFCs), Role and services provided, Categories of NBFCs; Comparison with banks; Regulatory framework; innovative sources of financing; Securitization as a funding mechanism.

Mutual funds (MFs): Evolution, types, Regulation of MFs, Organisation structure, Design and marketing of MF schemes and products, Tax treatment of MF schemes, Financial Reporting by Mutual Funds; SEBI requirements; Performance evaluation;

**Unit IV: Financial Services Company Accounts:** Overview, Environment and importance of financial services in an economy, Constituents and cultures in financial services sector, Functional classification of financial services, Major forces driving financial services; Accounts of Merchant Bankers, Stock and Commodity Market Intermediaries; Mortgages – traditional and non-traditional, Securitization; Regulation of merchant banking activity, SEBI guidelines.

**Accounts of Credit Rating Companies:** Concept, rationale, process, methodology, SEBI regulations for credit rating, Credit Rating Agencies Regulation, 1999, Rating services offered including grading of real estate developers, Rating of small and medium enterprises;

**Consumer Finance:** Role of consumer credit in the financial system, Features, Legal framework, Credit screening methods, Innovative structuring of consumer credit transactions, Consumer Credit Act, 1974; Credit cards – concept, types, billing and payment, Settlement procedure, Mechanism of transactions, member establishments, member affiliates, Accounting requirements; Accounting and reporting.

**Accounts of Factoring, Forfeiting and Venture Capital Companies:** Concept, Forms, Functions of factor, Legal aspects, Evaluation of factoring, Factoring disputes, Factoring vs. Forfeiting, Factoring à- bill discounting, Forfeiting, bill financing – bills of exchange, Bill discounting; Venture capital (VC) – Nature and scope, Role of venture capitalists and private equity firms, Types of venture capital funds, Investment appraisal matrix, Deal structuring, venture capital vs. debt financing, Regulatory environment, Evaluation criteria, limitations.

**Unit V: Equipment Leasing Companies Accounts:** History and development of leasing, Concept and classification, Types of leases, Leasing and commercial banking, Product profile, Legal aspects of leasing, Lease documentation, Lease agreement, Tax aspects of leasing, Appraisal criteria, Lease evaluation – the lessee's angle, the lessor's angle, negotiating lease rentals, Lease accounting and reporting: IAS-17, Ind AS 17; Hire purchase – concept,



characteristics, Leasing vs. hire-purchase, Legal, Tax and Accounting aspects, the Hire Purchase Act, 1972; Financial reporting and Ethics

### **Course Exit Learning Outcomes:**

Upon the completion of this course, the student should be able to demonstrate insight into:

*Understanding of the system and the requirements of financial accounting for financial institutions.*

*Understanding and skill in maintaining financial accounts of Banking companies, Insurance companies and other financial institutions as per the legal requirements.*

*Understanding and skill in maintaining financial accounts of financial services companies including the leasing companies, credit rating companies, factors, forfeiters, venture capital funds and venture capital companies.*

### **Suggested Readings:**

1. Maheshwari, S. N. *Advanced Accountancy, Vol II.* Vikas Publishing House
2. Sehgal, A. and Sehgal, D. *Advanced Accounting, Vol. II.* Taxman Publications
3. Shukla, M.C. and Grewal, T.S. *Advanced Accounts, Vol. II,* S. Chand & Company.

**Note: Latest edition of text books may be used.**

## **PAPER BAacctgFAMA8: GOVERNMENT ACCOUNTING**

### **Course Objectives:**

This course aims to:

- Expose the students to accounts, reporting and audit of government departments.*

### **Course contents**

**Unit I: Design and Organization of Government Accounting System:** Basis of Government Accounting -- Cash Accounting, Accrual Accounting, Comparison between Cash based system of accounting and accrual system of accounting, Benefits of switch over. Global trends, Users of government accounting; Government Accounting Standards Advisory Board (GASAB); Accounting arrangements and authorities in State and Central Governments, Approved formats of accounts for Panchayati Raj Institutions and Local Bodies, Inter-state & Centre to state transactions, Principles of Recognition, Measurement Classification and Disclosure, Receipt and credit into Government Accounts, Withdrawal from Government Account Section-I & III, Maintenance of Deposits. Government Accounting and Standards Advisory Board, Role and functions.

**Unit II: Maintenance of Initial Accounts by Drawing & Disbursing Officers (DDO):** Initial records and accounts relating to receipts and disbursements by DDOs, Preparation of Cash Book, Journal and Ledger, Reconciliation of accounts with, Treasury/ Pay and Accounts Office (PAO) by DDOs, Treasury Accounting System including State PAO Accounting System , Process of passing bills in Treasury/State PAO , Voucher, Challans, Schedule of Receipts and,

Payments, List of Payment and Cash Accounts, Daily Accounting in treasury/State PAO, AC/DC bills, Nil Bills

**Unit III: Compilation of Monthly Civil Accounts by Accountant General:** Compilation and preparation of Monthly Civil Accounts, Compilation of treasury accounts, preparation of Classified Abstract, Consolidated Abstract, Detail Books, Consolidated monthly accounts of Public Works and Forest Divisions, Inter-government and Inter-departmental transactions and their adjustments, Corrections in accounts- Transfer Entries, Combined Transfer Entries, ledger, Accounting of liabilities: Public Debt, Other liabilities, Treasury bills, Accounting of Reserve Fund, Deposit and Investments, Accounting of Suspense and Remittance Heads, Preparation of Disburser's Account and Monthly Civil Account, Detailed Loan Accounting, Provident Fund Accounting with particular reference to pitfalls in accounting.

**Unit IV: Compilation of Annual Accounts:** Appropriation Accounts, Finance Accounts and Combined Finance and Revenue Accounts, Contents of annual accounts, Preparation and submission of annual accounts. Summary of Finance Accounts, Interpretation and utility of various statements in Finance Accounts, Interpretation and utility of Government Accounts, Report on State Finances, Summarized Financial Position of the State, Abstract of receipts and disbursements, Sources and Application of funds, Input for fiscal management Allocation of resources and effective use of resources, Input for budget preparation and monitoring.

**Unit V: Quality Assurance Procedures:** Checks against errors and mis-statements, Reconciliation between Accountant General and Controlling Officers, Maintenance and review of Broadsheets, Analysis and clearance of suspense and remittance heads, Internal Test Audit (ITA), Control Accounts for verification and exclusion checks, Classified Abstracts (DDR portion and Proof Sheet), Detail Books and Disburser's Account, Journal, Reconciliation of differences under Reserve Bank Deposits in figures as per Government accounts and those communicated by Central Accounts Section of the RBI, Checks related to timeliness, completeness and overall reliability, Trial Balance, Review of Balances, Exclusions of Treasury and Divisional accounts, Review against schedule of preparation, Reconciliation between Finance and Appropriation Accounts .

**Institutions for Auditing** - Central Vigilance Commission (CVC), Comptroller and Auditor General of India (CAG), State Accountant and Auditor General (SAG) –Role and functions in Public Account Audits.

**Course Exit Learning Outcomes:**

After completing the course, the student will be able to:

- Understand the structure of Government accounting system.*
- Learn how to maintain books of accounts of State and central govt books.*
- Prepare the different set of books of accounts as per accounting principles.*
- Understand the process of setting accounting for government entities.*
- Learn to maintain the reliability and true and fair view of books of accounts.*

**Suggestive Readings:**

1. *Account Code for Accountants General.*
2. *Central Government Account (Receipt and Payment) Rules, 1983*
3. *Central Public Works Accounting Code.*
4. *Current Finance and Appropriation Accounts of Union Government.*
5. *Government Accounting Rules, 1990.*

6. Government of India Budget.

**Note: Latest Edition of reference/text books**

#### **4-YEAR BACHELOR OF ACCOUNTING HONOURS DEGREE**

**Pre-requisite:** A student after qualifying at I and II semesters and at III and IV semesters' on further qualifying at V and VI semester examinations securing 80 credits will be eligible for admission to **4-year UG Honours Degree** in Accounting provided he secures additional 4 credit in skill based vocational courses offered during first year or second year summer term.

**Qualification awarded:** A student on further qualifying at VII and VIII semesters' examinations provided he secures 160 credits shall be awarded 4-Year Bachelor of Accounting Honours in the major discipline.

#### **Semester VII**

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Accounting for Financial Instruments	FAMA9	5	100	60	15	75
Forensic Accounting	FAMA10	5	100	60	15	75
Course from Minor	MI5	5	100	60	15	75
Course from Minor	MI6	5	100	60	15	75
Total		20	400			300

#### **PAPER BAacctgFAMA9: ACCOUNTING FOR FINANCIAL INSTRUMENTS**

##### **Course Objectives:**

The course aims to:

*Develop understanding among the students of accounting and reporting for financial instruments.*

*Develop understand and skill of technicalities in designing and developing the financial accounting systems for financial and investment institutions and investment services.*

##### **Course Contents:**

**Unit I: Financial Instruments (Ind AS 109):** Definition (IFRS 102), Characteristic features, Types – Primary financial instruments as Stocks, Bonds and Currency, Derivative financial instruments, Compound financial instruments; Cash instruments, Debt based instruments, Equity based instruments; Debt Vs Equity component.

**Unit II: Recognition and Measurement of Financial Instruments (IFRS 9 - replacement of IAS 39):** Recognition and de-recognition of Financial instruments as Financial assets or Financial liabilities; Initial measurement, Subsequent measurement, Gains and losses; Impairment of financial assets measured at amortised cost; Investment in equity instruments – Initial recognition, Subsequent recognition, Gains and Losses; Case studies/Exercises.

**Unit III: Financial Instruments Presentation (Ind AS 32):** Classification and Measurement of financial instruments as financial assets and financial liabilities; Offsetting financial assets and financial liabilities; Case studies/Exercises.

**Unit IV: Disclosures of Financial Instruments:** Disclosures of Financial Instruments (Ind AS 107); Disclosure requirement; Quantitative disclosure and Qualitative disclosure; Disclosure of different categories of financial assets and financial liabilities in the Balance sheet and Profit and Loss Account; Case studies/Exercises.

**Unit IV: Accounting for Financial Instruments:** Accounting for the Financial assets, Financial liabilities; Hedge Accounting; Derivative financial assets – Fair value hedges, Cash flow hedges, Futures, Options, Swaps – Interest rate swaps, Currency swaps; Trade date accounting, Settlement date accounting; Accounting disclosures; Case studies/Exercises.

**Unit V: Innovations in Financial Instruments:** Participation in equity (risk capital) funds, Bank guarantees; Hedging financial instruments; Compound financial instruments; Case studies/Exercises.

**Course Exit Learning Outcomes:**

Upon the completion of this course, the student shall be able to demonstrate insight into:

*Understanding of the accounting and reporting requirements for financial instruments.*

*Understanding of the technicalities in designing, developing and maintaining financial accounting systems for financial and investment institutions and dealings in financial instruments.*

**Suggested Readings:**

1. Banka, Anand. *Comprehensive guide to IND AS implementation.*
2. Garg, Kamal. *IFRS Concepts and Applications.* Bharath Law House Private Limited
3. Ghosh, T. P. *IFRS for Finance Executives.* Taxman Allied Services Private Limited
4. *IFRS explained – A Guide to International Financial Reporting Standards.* BPP Learning Media
5. Kirk, Robert J. *IFRS: A Quick Reference Guide.* Elsevier Ltd.
6. Kumar, Praveen. *Consolidation under IND AS- IFRS Converged Standard*

**Note: Latest edition of text books may be used.**

## **PAPER BACCTGFAMA10: FORENSIC ACCOUNTING**

### **Course Objectives:**

This course aims at:

*Imparting the knowledge and understanding of investigation, detection and management of fraud perpetrated in books of accounts of enterprises.*

*Developing ability to interrogate multiple sources of knowledge and information for conducting forensic investigation*

### **Course Contents:**

**Unit I: Forensic Accounting:** Tax evasion; Economics of crime; Organized crime; Financial crimes; Accounting and audit techniques; Sources of information; Detective and investigative tools and techniques; Investigative interview analysis; Bank and Finance; Cyber-crimes; Financial statement fraud - Financial Statement Analysis, Analytic Techniques; Accounting and audit techniques; Sources of information; Detective and investigative tools and techniques; Investigative interview analysis; Fraud prevention, recognition of potential fraudulent situations.

**Unit II: Forensic Accounting and Legal Environment:** Tax evasion; Economics of crime; Organized crime; Financial crimes; Bank and Finance; Cyber-crimes; Money laundering and the Financial Intelligence Act 3 of 2007.

**Unit III: Forensic Investigation:** Concept of Investigations, Types of Investigations - Fraud Investigation, Corruption Investigation, Asset misappropriation Investigation, Cash theft Investigation, Fraudulent disbursements Investigation, Inventory frauds Investigation, Misuse of assets; Interrogation of fraud, Forensic Investigation - Methodology, Stages in computer forensic examination - Readiness, Evaluation, Collection, Analysis, Presentation, Review; Reporting, Issues in Forensic Investigation

**Unit IV: Fraud Detection:** Fraud Investigation and Engagement processes; Symptoms of fraud; Evidence Collection process; Fraud Examination Evidence: Physical, Documentary and Observational Evidence, Interview and Interrogative Methods Detection of Financial Statement Fraud, Revenue Fraud, Inventory Fraud, Fraud on reserves.

**Unit V: Fraud Reporting:** preparation, Litigation, and the Recovery Process. Business Valuation and Damages, Damage Analysis; Auditor's Responsibility; Other types of misconduct.: Foreign Corrupt Practices Act (FCPA) Investigations, Anti-money laundering.

**Fraud Management:** Culmination, consequences, and policy implications of corporate frauds.

**Resolution of Fraud:** Legal follow up. Enforcement of Court Orders;

### **Course Exit Learning Outcomes**

Upon the completion of this module, the student should be able to demonstrate insight into:

*Knowledge and engagement in the field of forensic accountancy as it pertains to financial statement manipulation.*

*Knowledge literacy in the area of fraud risk management.*

*Knowledge of the method and procedure in selecting and applying appropriate standards procedures, processes and techniques of financial statement manipulation and fraud risk management to problems in the field of forensic accountancy*

*Knowledge and understanding of ethics and professional practices relating to financial statements and fraud risk management.*

*Ability for accessing, processing and managing information on financial statement manipulation and fraud risk management problems and issues within the forensic accountancy environment.*

*Knowledge literacy in demonstrating the ability to interrogate multiple sources of knowledge in the area of conducting a forensic investigation.*

*Ability for problem solving of complex or abstract problems in the forensic investigation field.*

*Ability to produce and communicate professional ideas and texts in the field of forensic investigations*

*Understand context and systems relating to forensic regulatory compliance and forensic technology in the forensic accountancy environment*

**Suggested Readings:**

1. Albrecht, W. Steve. *Forensic Accounting and Fraud Examination*. Cengage Learning (India Edition).
2. Albrecht, Chad O., Albrecht, Conan C., Albrecht, W. Steve & Zimbelman, Mark F. *Forensic Accounting & Fraud Examination*. Cengage Learning.
3. Banerjee, Robin. *Who Cheats and How?* Sage Publications, New Delhi.
4. Bologna, Jack and Lindquist, Robert J. *Fraud Auditing and Forensic Accounting*. Wiley.
5. Bremser, Wayne G. *Forensic Accounting and Financial Fraud*. American Management Association.
6. Dalal, Chetan. *Novel and Conventional Methods of Audit, Investigation and Fraud Detection*. Wolters Kluwer India Pvt Ltd.
7. Gupta, Sanjeev. *Corporate Frauds and their Regulation in India*. Bharat Law House Pvt Ltd
8. Kaul, Vivek. *Easy Money*. Sage Publications, New Delhi.
9. Manning, George A. *Financial Investigation and Forensic Accounting*. CRC Press: Taylor & Francis Group.
10. Sharma, B. R. *Bank Frauds*. Universal Law Publishing, New Delhi

**Note: Latest edition of text books may be used.**

**Semester VIII**

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Global Accounting Standards and Applications	FAMA11	5	100	60	15	75
Accounting for Multinational Enterprises	FAMA12	5	100	60	15	75
Course from Minor	MI7	5	100	60	15	75
Course from Minor	MI8	5	100	60	15	75
Internship	1-3	2				45
Total		20+2	400			300

## **PAPER BAacctgFAMA11: GLOBAL ACCOUNTING STANDARDS AND APPLICATIONS**

### **Course Objectives:**

This course aims to:

- Have an in-depth understanding in applying and interpreting the International Financial Reporting Standards (IFRS) to real world accounting problems.*

### **Course Contents:**

**Unit I: Global Accounting standards:** An Overview of International Accounting Environment, Stages for the Evolution of a Multinational Corporation, Users of International Accounting information and their Information Needs. Structure of IFRS foundation and IASB, Standard setting process, IFR Standards issued till date, Differences between US GAAP and IFRS and their adoption.

**Unit II: Presentation and Disclosure:** IAS 10 -- Events after the reporting period, IAS 20 - Accounting for government grants and Disclosure of government assistance, IFRS 16 – Leases.

**Unit III: Accounting for Assets & Revenue:** IAS 23 - Borrowing Costs, IAS 40 – Investment property, IAS 41 – Agriculture, IFRS 5 – Non- current assets held for sale and discontinued operations.

**Unit IV: Accounting for Liabilities & Financial Instruments:** IAS 12 – Income taxes, IAS 19 - Employee benefits, IFRS 2 – Share based payments, IAS 32 – Financial Instruments: Presentations.

**Unit V: Special Issues in International Accounting: IFRS 10:** Consolidated Financial Statements, IAS 21 - Effects of the Changes in Foreign Exchange Rates, Transfer Pricing, International Financial Statement Analysis - Introduction, need for analysis, techniques of analysis, prospective analysis, factors affecting financial analysis.

### **Course Exit Learning Outcomes:**

Upon successful completion of this course, the students will be able to:

- Familiar with the International Financial Reporting Standards (IAS or IFRS) and their application to the companies who use them.*
- Prepare the mandatory financial statements, according to the IFRS. Interpret and apply International Accounting Standards and interpretations adopted by the IFRS Foundation.*
- Analyse and evaluate financial statements, and prepare detailed reports thereon, tailored to the technical understanding of the different user groups.*

### **Suggested Readings:**

1. Choai F. D. S. and Mueller, G. G. *International Accounting*. Prentice hall.
2. Douppnik, T. S. and Perera, H. *International Accounting*. McGraw-Hill, New York.
3. Holzer, Peter H. et al. *International Accounting*, Harper and Row Publishers, New York.
4. Kirk, Robert J. *IFRS: A Quick Reference Guide*. Elsevier Ltd.
5. Mohapatra, A. K. Das. *International Accounting*. PHI Learning Pvt Ltd.
6. Mueller, G. G, *International Accounting Part I*. Macmillan.
7. Saudagaran, *International Accounting*. Thomson Learning.
8. *IFRS explained – A Guide to International Financial Reporting Standards*. BPP Learning Media

**Note: Latest edition of text books may be used.**

### **PAPER BacctgFAMA12: ACCOUNTING FOR MULTINATIONAL ENTERPRISES**

#### **Objective:**

This course aims at

*Broadening and enriching students' knowledge of international accounting and global financial reporting practices.*

*Equip and prepare students for future endeavours in global market.*

#### **Course contents**

**UNIT-I: International Accounting:** Worldwide accounting diversity, international convergence, international financial reporting standards (IFRS), international sources of authority and the standard setting process, progress towards international harmonization, national standard setting authority and timetable for convergence with IFRS. Accounting standards, interpretations and guidance notes on various accounting aspects issued by the ICAI and their applications, framework for the preparation and presentation of financial statements- presentation of financial statements, accounting policies, changes in accounting estimates and errors.

**UNIT II: International Financial Reporting Standards (IFRS):** Borrowing costs, Operating segment, income tax, construction contracts, leases, employee benefits, record transactions in terms of capital reconstruction schemes, liquidations, mergers and acquisitions, differentiate between accounting theory and practice relating to government and non-profit organizations in relation to commercial entities and know the salient features of IFRS for SME's.

**UNIT-III: Income and revenue:** Construction contracts, assets-inventories, property, plant and equipment, accounting for government grants and disclosures of government assistance,



borrowing costs, leases, intangible assets, investment properties, agriculture, impairment of assets, exploration for and evaluation of mineral resources, liabilities - provisions, contingent liabilities and contingent assets, employee benefits, share-based payments, income taxes, financial instruments. Case studies and Exercises of Indian companies

**UNIT-IV: Group Accounts:** Regulatory framework, consolidated statement of financial position, consolidated statement of comprehensive income, investment in associates, interests in joint ventures, the effects of changes in foreign exchange rates. Case studies and Exercises of Indian companies.

**UNIT-V: Disclosure and Analysis:** Earnings per share, statement of cash flows, operating segments, non-current assets held for sale and discontinued operations, events after the reporting period, related party disclosures, interim financial reporting. Case studies and Exercises of Indian companies.

### **Course Exit Learning Outcomes:**

Upon the completion of this course, the student shall be able to demonstrate insight into:

- Knowledge and understanding of relevant international financial reporting standards.*
- Develop capability to use the knowledge and understanding of accounting theory, practice and standards in maintaining the records of international enterprises.*
- Ensure compliance with the regulatory framework in maintaining the records and Disclosures.*

### **Suggested Readings:**

1. Douppnik, T. and Pareira, H. *International Accounting*. McGraw-Hill.
2. *International Financial Reporting Standards, Vol. I & II*, Taxman Publications.
3. Needles, B. E. and Powers, M. *International Financial Reporting Standards*. South-Western College Publishing.
4. Nobes, C. and Parker, R. *Comparative International Accounting*. Prentice Hall.
5. Rathore, S. *International Accounting*. Prentice Hall India.
6. Saudagaran, S. M. *International Accounting: A User Perspective*. CCH, Inc.

**Note: Latest edition of text books may be used.**

## **4-YEAR BACHELOR OF ACCOUNTING HONOURS WITH RESEARCH DEGREE**

**Pre-requisite:** Students who secure 75% marks and above in the first six semesters and wish to undertake research at the undergraduate level can choose a research stream in the fourth year.

**Qualification awarded:** The students who secure 160 credits, including 12 credits from a research project/dissertation, are awarded 4-Year Bachelor of Accounting Honours with Research in Major Discipline. The students should undertake and complete a research project

or dissertation under the guidance of a faculty member of the University/College. The research project/dissertation will be in the major discipline.

### Semester VII

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Accounting for Financial Instruments	FAMA9*	5	100	60	15	75
Forensic Accounting	FAMA10*	5	100	60	15	75
Course from Minor	MI5	5	100			75
Course from Minor	MI6	5	100			75
Total		20	400			300

**Note: \* Detailed Course Content of FAMA9 Accounting for Financial Instruments and FAMA10 Forensic Accounting are as given on pages 38 and 40 respectively**

### Semester VIII

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Business Research Methods	RM1	5	100	60	15	75
Statistical Analysis of Research Data using Software (Excel, SPSS, etc.)	RM2	5	100	15	60	75
Dissertation	RM3	12	200			180
Total		22	400			330

#### **PAPER BAacctgRM1: BUSINESS RESEARCH METHODS**

##### **Course Objectives:**

The objectives of the course are to:

*Provide understanding of concepts, tools and techniques of carrying out business research.*

*Expose students with the methods and process of data analysis for scientific research.*

##### **Course Contents:**

**Unit I: Research:** Meaning, Characteristics, Objectives, Motivation in Research, Types, Methods, Significance, Process, Approaches, Criteria of Good Research. Concept of Theory, Empiricism, Deductive and Inductive Theory. Research Standards, Research Ethics, Code of Ethics for Researchers.

**Research Problem:** Selection of Problem of Research, Research Problems in Social Sciences, Components and Sources of Research Problem, Defining Research Problem, Evaluation of Research Problem.

**Measurement and Scaling:** Scales of Measurement, Types of Data Measurement Scales, Techniques of Data Scaling, Goodness of Measurement Scales, Deciding the Scale; Development of Research Instruments – Questionnaires and Schedules, Testing the Research Instruments; Reliability and Validity Tests, Testing the Reliability using Cronbach's Alpha.

**Sampling:** Introduction to Sampling: Concepts of Population, Sample, Sampling Frame, Sampling Error, Sample Size, Characteristics of a good sample, Types of Sampling - Probability and Non-Probability, Determining Size of the Sample, Sample v/s Census Method of Data Collection.

**Unit II: Review of Literature:** Need, Purpose and Making Notes on Literature Reviewed, Research Gap Identification. Sources of Research Papers and other published works, Search engines and use of keywords, Systematic Review, Methods of Review of Literature. Use of software for Review of Literature.

**Unit III: Research Design:** Meaning, Need & Importance, Features of Good Research Design, Types of Research Design – Concept, Pros & Cons. Qualitative, Quantitative and Mixed Research Designs, Types of Sampling Design, Variables in Research: Introduction, Meaning, Types.

**Collection of Data:** Primary and Secondary data; Collection of Primary Data: Methods of Data Collection - Field Survey, Observations, Experimentation; Identification and Selection of Respondents, Serving the Instruments and Collection of Instruments; Secondary data: Sources, Identification and Selection of Source; Databases as Source of Secondary Data.

**Data Processing:** Field work validation, Editing, Coding, Classification and Tabulation of data.

**Unit IV: Data Analysis:**

**Univariate Data Analysis Techniques:** Descriptive Statistical Measures; Use of Charts and Graphs.

**Bivariate Data Analysis Techniques:** Descriptive Statistics, Simple Correlation, Simple Regression, Linear Regression, Panel Data Regression - Pooled Regression, Fixed Effect and Random Effect Models, Logistic Regression, Ordinal Regression, Probit, Concepts of adjusted R-square, Autocorrelation, Serial Correlation, Multicollinearity, Heteroscedasticity (for time series regression), Stationarity.

**Multivariate Analysis Techniques:** Factor Analysis, Exploratory Factor Analysis, Confirmatory Factor Analysis, Reliability Test, Structural Equation Modelling, Discriminant Analysis, Cluster Analysis (Two-step, K-means, Hierarchical), Conjoint Analysis, Artificial Neural Networks; Event Study Methodology.

Content Analysis: Content, Process of Content Analysis, Word count etc.

**Unit V: Testing of Hypotheses:** Concept, Meaning, Types; Steps in Testing the Hypothesis, Error in Hypothesis Testing - Type I and Type II Errors, P – Value Approach.

**Testing Significance of Results - Parametric Tests:** Choosing between the two, Level of Significance, One sample z test, Two samples z test, One sample t test, Two samples t test, Paired sample t test,

**Non-Parametric Tests:** Chi-square test, Mann Whitney U Test, Wilcoxon Signed Rank Test. Univariate Normality Tests - Kolmogorov Smirnov Test, Shapiro-Wilk Test, Multivariate Normality Test,

**Analysis of Variance:** One-way ANOVA, Two-way ANOVA, MANOVA, MANCOVA, Kruskal Wallis H Test, Friedman Test, Tests of Homogeneity of Variance.

Use of Software for Data Analysis and Testing the Significance of Results: SPSS, AMOS, GRATL, Smart PLS, NVivo, Zotero/Mendeley, etc.

**Report Writing:** Types of Reports, Footnotes and Endnotes, Reference List and Bibliography, Use of Citations and References; APA Style. Plagiarism, Software for detection of plagiarism; Problems encountered by Researchers in India.

**Course Exit Learning Outcomes:**

On successful completion of the course, the students will be able to

*Develop thorough understanding of the fundamental theoretical ideas and logic of research and Research Standards and Research Ethics.*

*Propose a research study and justify the theory as well as the methodological decisions.*

*Formulate hypothesis and test the hypothesis.*

*Use the statistical tools and software packages in research*

*Acquire the skill in drafting research report.*

*Capability in taking up bivariate and multi-variate data analysis in research and test the significance of results.*

*Capability in undertaking research independently.*

*Confidence in undertaking research projects independently.*

**Suggested Readings:**

1. Bajpai, Naval. *Business Research Methods*. Pearson.
2. Bhandarkar, P. L. & Wilkinson, T.S. *Methodology and Techniques of Social Research*. Himalaya Publishing House.
3. Bryman, Alan & Emma Bell. *Business Research Methods*. Oxford University Press – India Edition.
4. Collis, Jill & Hussey, Roger. *Business Research: A Practical Guide for Undergraduates & Postgraduates*. Palgrave Macmillan – India.
5. Cooper and Pamela. *Business Research Methods*. Tata Mc Graw Hill.
6. Kothari, C. R. *Research Methodology: Methods and Techniques*. New Age International Publishers.
7. Krishnaswamy O.R. and Ranganatham, M. *Methodology of Research in Social Sciences*. Himalaya Publishing House.
8. Kumar, Ranjit. *Research Methodology – A Step-by-Step Guide for Beginners*. Pearson Education.
9. Mohan, S. and Elangovan, R. *Research Methodology in Commerce*. Deep and Deep Publications Pvt Ltd., New Delhi.
10. Panneerselvam, R. *Research Methodology*. PHI Learning Pvt Ltd., New Delhi.
11. Sekaran, Uma. *Research Methods for Business*. Wiley India, New Delhi.
12. Saunders. *Business Research Methods*. Pearson Publications.
13. Sharma, K. R. *Research Methods*. Atlantic Publishers, New Delhi
14. Zikmund. William G. *Business Research Methods*. Cengage Learning.

**Note: Latest edition of text books may be used.**

## **PAPER BAacctgRM2: STATISTICAL ANALYSIS OF RESEARCH DATA USING SOFTWARE (EXCEL, SPSS, ETC.)**

### **Course Objectives:**

The course aims to:

*Provide the students' knowledge and understanding of the computerised systems for the collection and analysis of data using statistical methods.*

*Equip the students with the knowledge and understanding of the statistical techniques and computer software technology for the analysis of statistical data and testing their significance for the intended use.*

*Develop competence of students in analysing the data using technology and statistical methods in a business set up.*

### **Course Contents:**

**Unit I: Testing of Significance of Results:** Parametric and non-parametric tests; Testing the significance of results using Parametric tests – the Z test for large samples and the t test for small samples; Testing the results using non-parametric tests; Testing the hypothesis and Interpretation of results.

**Unit II: Skill Development using Microsoft Excel:** Use of Microsoft Excel and Software Packages for Data Analysis; Spreadsheet concepts; Managing worksheets; Formatting, conditional formatting, Entering data, Editing, and Printing and Protecting worksheets; Handling operators in formula, Project involving multiple spreadsheets, Organizing Charts and graphs; Working with Multiple worksheets; controlling worksheet views, Naming cells and cell ranges.

**Working with Data:** Sort and filter, Consolidate Tables, Pivot tables; What-if-analysis: Goal seek, Data tables and Scenario manager; Data analysis ToolPak:

**Unit III: Skill Development - Creating business spreadsheet:** Loan and Lease statement; Ratio Analysis; Payroll statements; Capital Budgeting; Constraint optimization, Assignment Problems, Depreciation Accounting; Graphical representation of data; Frequency distribution and its statistical parameters; Develop proficiency in using statistical and other functions contained therein related to formation of frequency distributions and calculations of Descriptive Statistics, Averages, measures of dispersion, Correlation and Regression Analysis; Accounting ratios; BSE SENSEX & NSE NIFTY.

**Unit IV: Skill Development - Statistical Package for Social Sciences (SPSS):** User Manuel, preparing data for analysis, basic usage of SPSS software (import/export of data, commands like open, save, etc., applying basic statistical analysis; Quantitative and Qualitative data analysis, Descriptive analysis and testing the significance of one variable, two variables and multi-variables data.; Security and control of information systems.

**Unit V: Recent Trends in Computing:** Tools of business collaboration: emails, wikis, file sharing, screen sharing, web presenting, work scheduling; Cloud computing: meaning, types of cloud services: IaaS, PaaS, SaaS; Grid Computing; Virtualization; Green Computing; E-Commerce: meaning, business models, Electronic Data Interchange (EDI), Payment Gateways; Internet of Things (IoT); Ethical and Social dimensions in the use of technology for data analysis.

### **For Skill development:**

(1) The Department shall purchase and install the necessary technology and equipment, develop an Accounting Laboratory and engage and develop competent and skilled faculty to guide and supervise the students in Statistical Data Analysis.

(2) The students would be given adequate time to practice in the Accounting Laboratory using the installed hardware and software.

**Course Exit Learning Outcomes:**

Upon successful completion of this course the student should be able to demonstrate:

*Understanding of the statistical methods used for collection and analysis of data.*

*Understanding of computer hardware and software packages and their capability and usage in analysis of data.*

*Develop instruments and collect data by conducting sample surveys and from secondary sources.*

*Analyse the data using computer software, test their significance and interpret the results.*

**Suggested Readings:**

1. Budnick, P. *Applied Mathematics*. McGraw Hill Publishing Co.
2. Elmasari, Ranez and Shamkant B. Navathe, *Fundamentals of Database Systems*. Pearson
3. Gupta, S.C. *Fundamentals of Statistics*. Himalaya Publishing House.
4. Jain Hem Chand and Tiwari H. N. *Computer Applications in Business*. Taxman Publications.
5. Levin, Richard and Rubin, David S. *Statistics for Management*. Prentice Hall of India, New Delhi.
6. Madan, Sushila, *Computer Applications in Business*. Scholar Tech Press.
7. Mathur Shruti and Jain Pooja. *Computer Applications in Business*. Galgotia Publishing Company
8. Mizrahi and John Sullivan. *Mathematics for Business and Social Sciences*. Wiley and Sons.
9. *Schaum's Outlines Series*. McGraw Hill Publishing Co.
10. Sharma, J. K. *Business Statistics*. Pearson Education.
11. Sharma S.K. and Bansal Mansi. *Computer Applications in Business*. Taxman Publications.
12. Wayne, Winston. *Data Analysis & Business Modelling*. PHI Publishing.

**Note: Latest edition of text books may be used.**

**PAPER BAacctgRM3: PROJECT REPORT/THESIS IN ACCOUNTING**

This course requires students to participate in field-based learning/project generally under the supervision of an employee of the given external entity. This shall require 30 hours per credit in a semester along with 15 hours of activities such as preparation for the field projects, data analysis, preparation of reports etc., and independent reading and study.

**Course Contents:** For the Dissertation in Accounting the activities to be undertaken during VII Semester will include writing of project/research proposal, and after approval of the Research problem by the Departmental Research Committee undertaking research under a supervisor allocated by the department, review of related literature or studies and collection of required data.

**Research Project / Dissertation (12 credits):** Students choosing a 4-Year Bachelor's degree (Honours with Research) are required to take up research projects under the guidance of a faculty member. The students are expected to complete the Research Project in the eighth semester. The research outcomes of their project work may be published in peer-reviewed journals or may be presented in conferences /seminars or may be patented.

**Exit Learning Outcomes of Qualification:**

Upon the completion of this qualification, the student should be able to demonstrate:

*Contemporary higher-level knowledge and competence in the fields of Financial Accounting, Cost Accounting, Management Accounting, Taxation, Auditing and Assurance and Finance.*

*Integrated knowledge of the research process – the skill to plan a research project, undertake literature review and empirical analysis, undertake interpretation of the results and come to conclusions.*

*Competency in identifying research problem, identify research objectives, research questions, undertake review of literature, methodology of data collection, data analysis using statistical and econometric methods and technology to analyse the data, interpreting the results and presenting the findings in the form of a written research report.*

*Acceptable behaviour within the academic environment, inclusive of adherence to the requirements of rules on plagiarism and copyright, and the ability to interact and collaborate effectively with others whilst taking co-responsibility for his/her own learning and research progress.*

*Capability to groom and develop competent researchers capable of contributing to the advancement of knowledge in the field of Accounting.*

*Capabilities to groom researchers in order to ensure that the research leadership and scholarly activity in accounting is widened in the country.*

## (2) AUDITING AND ASSURANCE MAJOR

### BACHELOT OF ACCOUNTING - CERTIFICATE

**Eligibility for the UG Programmes:** Senior Secondary School Leaving Certificate or Higher Secondary (12th Grade) Certificate obtained after successful completion of Grade 12 or equivalent stage of education corresponding to Level-4.

**Qualification awarded:** A student qualifying at Semester I and II examinations securing 40 credits shall be awarded **Certificate in Accounting** provided he secures 4 credits in work based vocational courses offered during summer term or internship / Apprenticeship in addition to 6 credits from skill-based courses earned during first and second semester.

#### Semester I

Subjects	Courses	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Financial Accounting I	PRC1	Nil	100	45	15	60
Financial Accounting II	PRC2	Nil	100	45	15	60
Indian Accounting Standards	FAMA1	5	100	60	15	75
Corporate Accounting I	FAMA2	5	100	60	15	75

Multi-Disciplinary Course I	MDC1	4	100			60
Business Communication -English	AEC1	4	100	45	15	60
Environment Studies	VAC1	2	100	15	15	30
Total		20	700			300

### **PAPER BAacctgFAMA1: INDIAN ACCOUNTING STANDARDS (IND AS)**

#### **Course Objective:**

The course aims to

*Help the students to acquire the conceptual knowledge of the accounting standards being used in India*

*Help the students apply relevant financial reporting standards to key elements of financial reports. The focus will be on process of recognition, measurement and disclosures*

#### **Course Contents:**

**Unit I: Overview of Indian GAAP:** Background and Roadmap for implementing Ind AS - Framework for the presentation and preparation of Financial Statements in accordance with Indian Accounting Standards -Conceptual changes (Fair value, time value of money, Other Comprehensive Income, Compound Financial instruments) – Comparison with IFRS - IND AS-1 (Presentation of Financial Statements)

**Unit II: Accounting for Assets and Liabilities:** IND AS 2 (Inventories) - IND AS 16 (Property, Plant and Equipment) – IND AS 38 (Intangible Assets) – IND AS 36 (Impairment of Assets) Recognition, Measurement and Disclosure in financial statements including accounting policies, Notes and Schedules (including Exercises, Problems and Case Studies in Corporate setup)

**Unit III: IND AS 113 (Fair Value Measurement)** – IND AS 115 (Revenue from Contracts with Customers) - IND AS 37, Provisions, Contingent Liabilities and Contingent Assets Recognition, Measurement and Disclosure in financial statements including Accounting Policies, Notes and Schedules (including Exercises, Problems and Case Studies in Corporate setup)

**Unit IV: Financial Instruments:** IND AS 109 (Financial Instruments) – IND AS 32 (Financial Instruments: Presentation) - IND AS 107 (Financial Instruments: Disclosures) Recognition, Measurement and Disclosures (including Exercises, Problems and Case Studies in Corporate setup)

**Unit V: Disclosure Standards:** IND AS 7 (Statement of Cash Flows) - IND AS 8, Accounting Policies, Changes in Accounting Estimates and Errors - IND AS 24 (Related Party Disclosures) – IND AS 33 (Earnings per share) – IND AS 34 (Interim Financial Reporting) -IND AS 108 (Operating Segments)-IND AS 101 (First Time Adoption of Indian Accounting Standards). (Including Exercises, Problems and Case Studies in Corporate setup)

#### **Course Exit Learning Outcomes:**

On successful completion of the course the student shall demonstrate:

*Understanding of the applicability and provisions of IND AS*

*Application of depreciation on tangible assets, intangible assets and impairment of assets through the Ind AS*



*Understanding the fair value concept, provisions of contingent Contracts, revenue recognition from Contracts.*

*Recognition, measurement and disclosure of Financial Instruments as per IND AS*

*Understanding of the process of disclosures as per Ind AS*

**Suggested Readings:**

1. Banka, Anand. *Comprehensive Guide to IND AS Implementation*.
2. Garg, Kamal. *IFRS Concepts and Applications*. Bharath Law House Private Limited
3. Ghosh, T.P. *IFRS for Finance Executives*. Taxman Allied Services Private Limited
4. Gosain, Sariha and Gosain, Rajeeh. *Practical Approach to IND AS Implementation, Illustrations, Summary & Comparisons*.
5. Finch, Clare. *A Students' Guide to International Financial Reporting Standards*. Kalpan Publishing.
6. Kirk, Robert J. *IFRS: A Quick Reference Guide*. Elsevier Ltd.
7. Kumar, Praveen. *Consolidation under IND AS- IFRS Converged Standard*
8. Saini, A. L. *IFRS for India*, Snow White Publications.
9. Sekhar, G and Prashanth, B Sarvana. *Financial Reporting*. Wolters Kluwer India Pvt Ltd.
10. Tripathy, Shibarama. *Roadmap to IFRS and Indian Accounting Standards*.
11. Vijay Kumar, M. P. *First Lesson to International Financial Reporting Standards Beginners Guide*. Prime Knowledge Services.
12. *IFRS Explained – A guide to International Financial Reporting Standards*. BPP Learning Media.

**Note: Latest edition of text books may be used.**

**PAPER BAcctgFAMA2: CORPORATE ACCOUNTING I**

**Course Objectives:**

The course aims to:

*Help the students to acquire the conceptual knowledge of the Corporate Accounting and to learn the techniques of preparing the Financial Statements.*

*Make the students Practically sound in marinating accounting of Corporate World*

**Course Contents:**

**Unit I: Accounting for Share Capital:** Features and types of companies Share and share capital: nature and types. Accounting for share capital: issue and allotment of equity and preferences shares.

Public subscription of shares – over subscription and under subscription of shares; issue at par and at premium, calls in advance and arrears (excluding interest), issue of shares for consideration other than cash.

Concept of Private Placement and Employee Stock Option Plan (ESOP), Sweat Equity.

Accounting treatment of forfeiture and reissue of shares.

Disclosure of share capital in the Balance Sheet of a company. Accounting for Debentures

**Accounting for Debentures:** Debentures: Meaning, types, Issue of debentures at par, at a premium and at a discount. Issue of debentures for consideration other than cash; Issue of

debentures with terms of redemption; debentures as collateral security-concept, interest on debentures. Writing off discount / loss on issue of debentures.

**Note:** Discount or loss on issue of debentures to be written off in the year debentures are allotted from Security Premium Reserve (if it exists) and then from Statement of Profit and Loss as Financial Cost (AS 16)

**Unit II: Final Accounts of Companies:** Meaning, Nature, Uses and importance of financial Statement. Statement of Profit and Loss and Balance Sheet in prescribed form with major headings and sub headings (as per Schedule III to the Companies Act, 2013). Preparation of Statement of Profit and Loss and Balance Sheet of Corporate Entities and Disposal of Company Profits. Cash flow statement. Notes on Accounts.

**Note:** Previous years' Proposed Dividend to be given effect, as prescribed in AS-4, Events occurring after the Balance Sheet date. Current years' Proposed Dividend will be accounted for in the next year after it is declared by the shareholders

**Unit III: Cash Flow Statement:** Meaning, objectives Benefits, Cash and Cash Equivalents, Classification of Activities and preparation (as per AS 3 (Revised) (Indirect Method only)

**Notes:**

(i) Adjustments relating to depreciation and amortization, profit or loss on sale of assets including investments, dividend (both final and interim) and tax.

(ii) Bank overdraft and cash credit to be treated as short term borrowings.

(iii) Current Investments to be taken as Marketable securities unless otherwise specified.

**Unit IV: Treatment of Profits Prior to Incorporation:** Introduction to the process on incorporation of company, Accounting of Income and Expenses during Pre and Post Incorporation Period, basis of allocation and apportionment of Income and Expenses for the Pre and Post Incorporation Period.

**Internal Reconstruction of Company:** Concepts and accounting treatment as per Accounting Standard 14, treatment of Reconstruction

**Unit V: External Reconstruction & Amalgamation & Absorption:** Process and presentation of accounts in External Reconstruction - Amalgamation of companies – Meaning –features – Purchase Consideration – methods (lump sum payment method, net asset method, intrinsic value of share method – Absorption Process and Accounting entries – practical problems in all three situations.

**Course Exit Learning Outcomes:**

*Ability to understand the Issue, forfeiture, Reissue of Shares – Debenture Issue and Redemption*

*Ability to prepare final Accounts with important adjustments at the end of the year as per Company Law*

*Ability to account for the Profits Prior to Incorporation*

*To know the process and accounting of External Reconstruction*

*To understand the process and accounting procedure involved in Amalgamation, Absorption and Reconstruction*

**Suggested Readings:**

1. Gupta R.L. Radhaswamy. *Advanced Account.* Sultan Chand and Sons.
2. Jain S.P. and Narang, K.L. *Corporate Accounting*, Kalyani Publishers, New Delhi.
3. Maheshwari, S.N. *Fundamentals of Corporate Accounting*, Taxman Publication, New Delhi.
4. Monga, J.R. *Fundamentals of Corporate Accounting*. Mayur Paper, New Delhi.
5. Sehgal, Ashok. *Fundamentals of Corporate Accounting*. Taxman Publication, New Delhi.
6. Shukla, M.C. Grewal, T.S. and Gupta, S.C. *Advanced Accounts, Vol.11*, S. Chand & Co, New Delhi.

**Note: Latest edition of text books may be used.**

### Semester II

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Cost Accounting I	CMAMA1	5	100	60	15	75
Auditing and Assurance	AAMA1	5	100	60	15	75
Multi-Disciplinary Course 2	MDC2	4	100			75
Computerised Accounting	SEC1	3	100	15	30	45
Understanding India	VAC2	2	100	30		30
Internship	I-1	2				45
Total		21	500			300

#### **PAPER BAacctgCMAMA1: COST ACCOUNTING-I**

##### **Course Objectives:**

The course aims to:

*Provide basic knowledge about cost concepts, preparation of cost sheet and ascertainment of cost of a product or service by using cost accounting methods.*

*Explain the basic cost concepts, types of costing methods and techniques*

##### **Course Contents:**

**Unit-I: Introduction:** Meaning and Definition: Cost – Costing – Cost Accounting – Cost Accountancy – Objectives of Cost Accounting – Scope of Cost Accounting – Differences between Cost Accounting and Financial Accounting – Functions of Cost Accountant – Users of Cost Accounting – Essentials of a Good Cost Accounting System – Installation of Costing

System – Cost Objects – Responsibility Centres – Advantages and Limitations of Cost Accounting – Classification of Costs – Methods of Costing – Techniques of Costing – Meaning of Cost Standards (Concepts and Theory only)

**Unit-II: Material & Labour Cost:** Introduction – Material Control - Elements of Material Control – Materials Procurement Procedure – Valuation of Material Receipts – Material Storage and Records – Techniques of Fixing Level of Stock: Re-order Stock Level – Re-order Quantity – Minimum Stock Level – Maximum Stock Level – Average Inventory Level – Danger Level – Buffer Stock – Techniques of Inventory Control: ABC Analysis – FSN – HML – VED – JIT – Stock taking and Perpetual Inventory Control – Valuation of Material Issues: Cost Price Methods – Average Price Methods – Market Price Methods – Notional Price Methods

**Employee Cost -** Employee Cost – Employee Cost Control – Attendance and Payroll Procedures: Time Keeping - Time Booking – Payroll Procedure – Idle Time – Overtime – Labour Utilization - Systems of Wage Payment and Incentives: Time Based – Output Based – Premium Bonus Methods – Absorption of Wages – Efficiency Rating Procedures – Employee Turnover: Meaning – Causes – Effects. (Including problems)

**Unit-III: Overheads:** Introduction – Classification of Overheads – Accounting and Control of Manufacturing Overheads – Steps for distribution of overheads – Methods of absorbing overheads to various products or Jobs – Types of Overheads Rates – Treatment of Under / Over Absorbed Overheads – Accounting and Control of Administrative Overheads – Accounting and Control of Selling & Distribution Overheads – (including problems)

**Unit-IV: Cost Sheet:** Introduction – Functional Classification of Elements of Cost – Cost Heads in Cost Sheet: Prime Cost – Cost of Production – Cost of Goods Sold – Cost of Sales – Cost Sheet: Preparation and Presentation of Cost Information – Advantages of Cost Sheet – Methods of Costing - Single Output Cost; Unit Costing, Job Costing, Batch Costing. (Including illustrative problems)

**Unit V - Methods of Costing:** Contract Costing, Process Costing, and Service Costing. (Including illustrative problems on each method of costing)

**Course Exit Learning Outcomes:**

After learning this course students should be able to:

*Able to have a clear knowledge about cost concepts, cost elements, methods and techniques of costing*

*Understand the elements of material control, Inventory control and Labour cost control.*

*Know the payroll system and procedures, types of wages payment and incentive methods and effect of labour turnover on production*

*Know the classification of overheads and accounting of control of manufacturing, administrative and selling & distribution overheads.*

*Prepare a Cost Sheet for Single Output/Unit Costing*

*Ascertain costs in Job Costing, Batch Costing, Contract Costing Process Costing Service Costing*

**Suggested Readings:**

1. Banerjee, B. *Cost Accounting: Theory and Practice*: Prentice Hall of India.
2. Horngren, Charles. *Cost Accounting*: Pearson Education.
3. Jain and Narang. *Cost Accounting*: Kalyani Publishers.
4. Jawaharlal, *Cost Accounting*: Tata Mc Graw Hill.
5. Kishore, Ravi M. *Cost Accounting*. Tax Mann Publications.
6. Srihari, Krishna Rao, *Cost Accounting*: Himalaya Publishing House.
7. Tulsian. *Introduction to Cost Accounting*, S. Chand & Co.
8. Yogeshweran, G. *Cost Accounting*. P.B. Publications.

**Note: Latest edition of text books may be used.**

**PAPER BAacctAAMA1: AUDITING AND ASSURANCE:**

**Course Objective:**

This course aims at:

*Imparting knowledge about the principles and methods of auditing and their applications*

**Course Contents:**

**Unit I: Introduction to Auditing:** Introduction – Meaning - Definition – Objectives – Differences between Accountancy and Auditing – Types of Audit - Advantages of Auditing – Preparation before commencement of new Audit – Audit Notebook – Audit Working Papers – Audit Program, Recent Trends in Auditing: Nature & Significance of Tax Audit – Cost Audit - Management Audit - Forensic audit.

**Unit II: Internal Control:** Internal Control: Meaning and objectives. Internal Check: Meaning, objectives and fundamental principles. Internal Check as regards: Wage Payments, Cash Sales, Cash Purchases. Internal Audit: Meaning - Advantages and Disadvantages of Internal Audit – Differences between Internal Check and Internal Audit. E- Applications in internal control and check.

**Unit III: Vouching:** Meaning -Definition – Importance – Routine Checking and Vouching – Voucher -Types of Vouchers –Vouching of Receipts: Cash Sales, Receipts from debtors, Proceeds of the sale of Investments. Vouching of Payments: Cash Purchases, Payment to Creditors, Deferred Revenue Expenditure E-vouching, uses and limitations.

**Unit IV: Verification and Valuation of Assets and Liabilities:** Meaning and Objectives of verification and valuation– Position of an Auditor as regards the Valuation of Assets – Verification and Valuation of different Items: Assets: Land & Building, Plant& Machinery, Goodwill – Investments - Stock in Trade. Liabilities: Bills Payable – Sundry Creditors – Contingent Liabilities.

**Unit V: Audit of Limited Companies and Others:** Company Auditor – Appointment – Qualification - Powers - Duties and Liabilities – Professional Ethics of an Auditor - Audit of Educational Institutions – Audit of Insurance Companies- Audit of Cooperative societies.

Audit of banks.

**Note:** Text to be explained along with the relevant Standards on Audit (SAs) issued by the Institute of Chartered Accountants of India (ICAI).

**Course Exit Learning Outcomes:**

On the successful completion of course, the students will be able to:

*Articulate knowledge of fundamental audit concepts*

*Demonstrate awareness, knowledge and appreciation in application of auditing principles and practices in business operations.*

*Describe the auditor's responsibility for assessing fraud risk and detecting fraud.*

*Understand the role of an Auditor in verifying and valuation of Assets and Liabilities*

*Understand and follow the ethical standards in audit profession*

**Suggested Readings:**

1. Gupta, Kamal. *Practical Auditing*. Tata Mac Graw Hill.
2. Gupta, Kamal. *Contemporary Auditing*. Tata Mc. Graw-Hill, New Delhi.
3. Manjunatha, J. M. and Others. *Auditing and Assurance*. Himalaya Publishing House.
4. Pagare, Dinakar. *Practice of Auditing*. Sultan Chand & Sons.
5. Ramaswamy, M. S. *Principles and Practice of Auditing*.
6. Sharma, T.R. *Auditing Principles and Problems*. Sahitya Bhawan, Agra.
7. Sharma, T.R. *Auditing*. Sahitya Bhavan, Agra.
8. Saxena, R.G. *Principles of Auditing*.
9. Saxena, R.G. *Principles and Practice of Auditing*. Himalaya Publishing House
10. Tandon, B.N. *Principles of Auditing*. S. Chand and Company, New Delhi.
11. Tandon, B. N. *Practical Auditing*, Sultan Chand & Sons.

**Note: Latest edition of text books may be used.**

## BACHELOR OF ACCOUNTING - ADVANCED DIPLOMA

**Pre-Requisite:** A student after qualifying at I and II semesters on further qualifying at III and IV semesters' examinations securing 80 credits will be awarded **Advanced Diploma in Accounting** provided he secures additional 4 credit in skill based vocational courses offered during first year or second year summer term.

**Qualification awarded:** Students who opt to exit after completion of the second year and have secured 80 credits will be awarded the UG diploma if, in addition, they complete one vocational course of 4 credits during the summer vacation of the second year.

### Semester III

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Income Tax I	TXMA1	5	100	60	15	75
Statistical Applications in Business	DAMA1	5	100	60	15	75
Multi-Disciplinary Course 3	MDC3	4	100			
Business Communication (MIL)	AEC2	4	100	45	15	60
Health, Wellness & Yoga	VAC3	2	100	15	15	30
Total		20				

### PAPER BAacctgTXMA1: INCOME TAX I

#### Course Objectives:

The objective of this paper is to:

*Make the student to gain knowledge about the direct tax laws in force for the relevant*

*previous year.*

*Provide insight to understand the computation of Income under various heads for the assessment of tax liability for various assesses.*

#### Course Contents:

**Unit I: Income Tax Act, 1961 – An Overview:** Background, Important definitions, Determination of Residential Status, Basis of Charge, Scope of Total Income, Tax Rates in accordance with the applicable Finance Act for the relevant assessment year, Agricultural Income, Incomes which do not form part of total Income,

**Unit II: Computation of Income under the head Salaries:** Salary – Coverage, Employer and Employee Relationship, Allowances, Monetary and Non-Monetary Perquisites–Valuation and Taxability, Profits in lieu of Salary, Deductions against Salary, Incomes exempt from Tax and not includible in ‘Salary’, Deduction to be made from salary in respect of Provident Fund under the provisions of the Provident Fund and Miscellaneous Provisions of Act 1952 and tax treatment of employers’ contribution to Provident Fund, Tax Deducted at Source on Salary Income and Compliances, Practical Case Studies.

**Income from house property:** Chargeability, Owner of house property, Determination of Annual Value, Deduction from Net Annual Value, Treatment of Unrealized Rent, Arrears of Rent, Exemptions, Computation of Income from a let-out House Property, Self-Occupied Property, Practical Case Studies.

**Unit III: Income from Profits and Gains from Business and Profession:** Profits and Gains from Business and Profession: Business and Profession – An overview, Chargeability, Profits and Losses of Speculation Business, Deductions Allowable, Expenses Disallowed, Deemed Profits u/s 41, Maintenance of Accounts, Tax Audit, Presumptive Base Taxation, Practical Case Studies.

**Unit IV: Capital Gains and income from other sources:** Chargeability, Capital Gains, Capital Assets & Transfer, Types of Capital Gains, Mode of Computation of Capital Gains, Exemptions and Deduction, Special Provision – Slump Sale, Compulsory Acquisition, Fair Market Value, Reference to valuation officer, Practical Case Studies; Taxation of Dividend u/s 2(22)(a) to (e), Provisions relating to Gifts, Deductions, Other Miscellaneous Provisions, Practical Case Studies.

**Unit V: Computation of total income of different assesses:** Gross Total Income, Deductions under section 80, clubbing of income, setoff and carry- forward of losses, computation of total Income assessment of Individuals, HUFs, Firms, including LLPs, AOP’s and Trusts.

#### **Course Exit Learning Outcomes:**

On successful completion of the course, the student will be able to -

- Understand the latest provisions of income tax, rates of tax, cess etc as applicable for the Assessment year.*
- Understand the basis of Charge of income tax based on residential status of assesses. Identify incomes which are taxable and those that are exempted.*
- Understand and apply the basis of charge of income with a focus on different heads on income.*
- Compute taxable income under different heads of income. Compute total taxable income of different assesses.*
- Work as tax consultant, audit assistant and other supporting services*

#### **Suggested Reading:**



1. Manoharan, T. N. *Students Handbook on Income Tax Law*, Snow White Publications
2. Mehrotra, H. C. *Income Tax Law and Accounts including Tax Planning*, Sahitya Bhawan Publications.
3. Narang and Gaur. *Income Tax*. Himalaya Publishing House.
4. Prasad, B. *Direct Taxes -Law and Practices*. Wishwa Prakashana
5. Singhania Vinod K. and Singhania, Kapil. *Direct Tax Planning and Management*, Taxman.
6. Singhania, Vinod, K. *Direct Taxes - Law and Practices*. Taxman.
7. Srinivas, E. A. *Corporate Tax Planning*. Tata Mc Graw Hill
8. *Income tax Act, 1961 as amended till date*.

**Note: Latest edition of text books may be used.**

### **PAPER BAacctgDAMA1: STATISTICAL APPLICATIONS IN BUSINESS**

#### **Course Objectives:**

The course aims to:

*Familiarize the students with various Statistical Data Analysis tools that can be used for effective decision making in business.*

*Emphasize on the application of the concepts learnt to various managerial situations.*

#### **Course Contents:**

**Unit-I Introduction to Statistics:** Statistics - Meaning, Definition, Scope of Statistics: In Industry, Economics, and Management. Meaning of primary and secondary data - Qualitative and Quantitative data - Discrete and Continuous variables- Frequency and Frequency Distribution.

**Sampling Techniques:** Need and meaning, Definitions of Population, Sample, Sampling, Advantages of Sampling over Census method, Methods of Sampling- Random & Non-Random sampling.

**Measures of Central Tendency:** Concept of Central Tendency- Requirements of good statistical average- Arithmetic Mean, Geometric Mean, Harmonic Mean – Weighted Average.

**Positional Averages:** Median and Mode, Partition values (Quartiles and Deciles, Percentile), Empirical relation between Mean, Median and Mode- Merits and Demerits of Mean, Median and Mode. Exercises on Analysis and Interpretation of Measures of Central Tendency.

**Unit-II Measures of Dispersion:** Concept of Dispersion, Requirements of good measures of dispersion. - Absolute and Relative measures of dispersion. Range, Quartile Deviation (Q.D.) Mean Deviation (M.D.) Standard Deviation (S.D.) and Variance: Combined S.D. for two groups, Coefficient of Variation (C.V.): Definition and Its Uses -Merits and Demerits of Q.D., M.D. and S.D – Measures of Skewness – Karl Pearson and Bowley’s coefficients of Skewness. Exercises on Analysis and Interpretation of Dispersion Measures.

**Unit-III Analysis of Bi-variate data:** Correlation-Concept and Types of correlation-Methods of studying correlation, Scatter Diagram, Karl Pearson’s correlation coefficient, Spearman’s rank correlation coefficient, Coefficient of Determination.

**Regression:** Concept of regression, Lines of regression, Regression Coefficients, Relation between correlation coefficient and regression coefficients. Exercises on Analysis and Interpretation of Correlation and Regression

**Unit-IV: Analysis of Time Series:** Definition and Uses of Time Series, Components of time series, Methods of determination of Trend and Seasonal Variations.

**Index Numbers:** Need and meaning of Index Numbers, Price, Quantity and Value based index numbers, - Simple and Weighted index numbers, Fisher’s Ideal index numbers. Tests Of adequacy of index numbers. Exercises on Index Numbers.

**Unit V: Probability and Baye’s theorem:** Probability Concepts: Experiment, Event, Mutually Exclusive, Collectively Exhaustive and Equally likely- Sample Space, Simple & Compound Events, Approaches to Probability Classical definition of Probability- Empirical approach, Subjective approach and Axiomatic Approach – Counting Rules: Permutations and combinations. Theorems of Probability – Addition, Multiplication, Conditional, Joint and Marginal Probability and Baye’s Theorems of Probability. Exercises on probability.

### **Course Exit Learning Outcomes:**

At the end of the course students should be able to:

*Understand the basics of statistics and its applications.*

*Summarize data sets using Descriptive statistics.*

*Analyse the relationship between two variables of various managerial situations .*

*Interpret Correlation and Regression*

*Understand applications of Time Series and Index Numbers*

*Analyse managerial decision problems using Probability*

### **Suggested Readings:**

1. Gupta, S.C. *Fundamentals of Statistics*. Himalaya Publishing House.

2. Gupta S.P. and Archana Gupta. *Elementary Statistics*. Sultan Chand and Sons, New Delhi.
3. Mizrahi and John Sullivan. *Mathematics for Business and Social Sciences*. Wiley and Sons.
4. Richard Levin and David S. Rubin. *Statistics for Management*, Prentice Hall of India, New Delhi.
5. Sharma, J. K. *Business Statistics*. Pearson Education.
6. Spiegel, M.R. *Theory and Problems of Statistics*.
7. Thukral, J. K. *Mathematics for Business Studies*. Mayur Publications
8. Vohra, N. D. *Business Mathematics and Statistics*, McGraw Hill Education (India) Pvt Ltd
9. *Schaum's Outlines Series*. McGraw Hill Publishing Co.

**Note: Latest edition of text books may be used.**

#### **Semester IV**

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Standards of Audit	AAMA2	5	100	60	15	75
Internal Control and Internal Audit	AAMA3	5	100	60	15	75
Course from Minor	MI 1	5	100			75
e Auditing	SEC2	3	100	15	30	45
Internship	1-2	2				45
Total		20	400			

#### **PAPER BAacctgAAMA2: STANDARDS OF AUDIT**

##### **Course Objectives:**

This course aims to:

*Develop deeper understanding and create awareness and sensitivity of the students about the standards on Audit.*

*Develop expertise among the students for compliance with the requirements of standards on*

*audit.*

## **Course Contents**

**Unit I: General Principles and Responsibilities:** SA 200 Overall Objectives of the Independent Auditor and the Conduct of an Audit in Accordance with Standards on Auditing; SA 210 Agreeing the Terms of Audit Engagements; SA 220 Quality Control for an Audit of Financial Statements; SA 230 Audit Documentation; SA 240 The Auditor's Responsibilities Relating to Fraud in an Audit of Financial Statements; SA 250 Consideration of Laws and Regulations in an Audit of Financial Statements; SA 260 (Revised) Communication with those Charged with Governance; SA 265 Communicating Deficiencies in Internal Control to those Charged with Governance and Management; SA 299 Responsibility of Joint Auditors; SA 300 Planning an Audit of Financial Statements; SA 315 Identifying and Assessing the Risks of Material Misstatement through Understanding the Entity and Its Environment; SA 320 Materiality in Planning and Performing an Audit; SA 330 The Auditor's Responses to Assessed Risks; SA 402 Audit Considerations Relating to an Entity Using a Service Organisation; SA 450 Evaluation of Misstatements Identified during the Audit.

**Unit II: Audit Evidence:** SA 500 Audit Evidence Estimates and Related Disclosures; SA 501 Audit Evidence – Specific Considerations for Selected Items; SA 505 External Confirmations; SA 510 Initial Audit Engagements—Opening Balances; SA 520 Analytical Procedures; SA 530 Audit Sampling; SA 540 Auditing Accounting Estimates including Fair Value Accounting Estimates and Related Disclosures; SA 550 Related Parties; SA 560 Subsequent Events; SA 570 (Revised) Going Concern; 26. SA 580 Written Representations.

**Unit III: Using Work of Others:** SA 600 Using the Work of Another Auditor; SA 610 (Revised) Using the Work of Internal Auditors Information in Documents Containing Audited Financial Statements; SA 620 Using the Work of an Auditor's Expert.

**Unit IV: Reporting:** SA 700 Forming an Opinion and Reporting on Financial Statements; SA 705 Modifications to the Opinion in the Independent Auditor's Report; SA 706 Emphasis of Matter Paragraphs and Other Matter Paragraphs in the Independent Auditor's Report; SA 710 Comparative Information – Corresponding Figures and Comparative Financial Statements; 34. 720 The Auditor's Responsibility in Relation to Other Information in Documents Containing Audited Financial Statements.

**Unit V: Audit in Specialized Areas:** SA 800 Special Considerations-Audits of Financial Statements Prepared in Accordance with Special Purpose Frameworks; SA 805 Special Considerations-Audits of Single Financial Statements and Specific Elements, Accounts or Items of a Financial Statement; SA 810 Engagements to Report on Summary Financial Statements.

## **Course Exit Learning Outcomes:**

After completion of this curriculum the student will be able to demonstrate:

*Understanding, awareness and sensitivity towards the standards on Audit.*

*Ability to ensure compliance with the standards on audit*

*Competence and expertise in the area of effective audit.*

### **Suggested Readings:**

1. Collings, Steve. (2018). *A Practical Guide to Accounting and Auditing Standards*. Bloomsbury Professional
2. MacLauchlan, Niall, Dunlea, Aidan. (1995). *Auditing Standards: A Quick Reference*. OAK Tree Press
3. Wilborn, Walter. (1993). *Audit Standards: A Comparative Analysis*. ASQ

**Note: Latest edition of text books may be used.**

### **PAPER BAACCTGAAMA3: INTERNAL CONTROL AND INTERNAL AUDIT**

#### **Course Objectives**

This course aims to

*Provide understanding of the requirement of internal audit and the expectations of the client from internal auditors*

*Develop capability to install an internal control system and skills to perform the functions of an internal auditor.*

*Provide knowledge of undertaking evaluation and risk assessment of internal control system.*

*Develop the capability to perform internal audit and submit an internal audit report.*

#### **Course Contents:**

**Unit I: Internal Control:** Meaning Objectives, Components of Internal Control, Auditors internal control system records. Internal Check: Meaning, objectives and fundamental principles. Internal Check as regards: Wage Payments, Cash Sales, Cash Purchases. Internal Audit: Meaning - Advantages and Disadvantages of Internal Audit – Differences between Internal Check and Internal Audit. E- Applications in internal control.

**Unit II Control Procedures:** Activities and tests of control in relation to (i) the sales system; (ii) the purchases system (iii) the payroll system, (iv) the inventory system, (v) the cash system, and (vi) the non-current assets.

**Evaluation of Internal control:** Internal control components including limitations and deficiencies, computer systems controls.

**Unit III: Risk Assessment under Internal Control:** Evaluation of internal control procedures; techniques including questionnaire, flowchart; internal audit and external audit, coordination between the two internal control and check. Audit Risk, Identifying and Assessing the Risk of Material Misstatement; Risk Assessment procedures; Understanding the entity and its environment; Internal control; Documenting the Risks; Evaluation of internal control system; Testing of Internal control; Internal Control and IT Environment; Materiality and audit risk; Internal audit, Basics of Standards on Internal Audit (SIAs) issued by the ICAI; Basics of Internal Financial Control and reporting requirements; Distinction between Internal Financial Control and Internal Control over Financial Reporting.

**Report on Internal Controls:** Requirements and methods of reporting significant deficiencies in internal control to management.

**Unit IV: Internal Audit:** Meaning, Scope, Nature, Functions, Tools and techniques of internal audit; Special Audit Techniques - Selective verification; statistical sampling; Special audit procedures; Physical verification of assets, Direct confirmation of debtors and creditors; Analytical review procedures; Risk-based auditing; Computer-assisted audit techniques –

Meaning, Examples, Delegation of work of others – Extent of reliance, Extent to which reference to the work of others can be made in the independent auditor's report, Audit techniques in Not-for profit organisation.

**Unit V: Audit Function:** Assertions contained in the financial statements, Audit procedures to obtain audit evidence, Quality and quantity of audit evidence, Problems associated with the audit and review of accounting estimates, Control environment of smaller entities; Audit sampling – Meaning, Need, Differences between statistical and non-statistical sampling, Examples and usage.

**Vouching:** Meaning, Importance, Routine Checking and Vouching; Voucher -Types of Vouchers; Vouching of Receipts - Cash Sales, Receipts from debtors, Proceeds of the sale of Investments; Vouching of Payments - Cash Purchases, Payment to Creditors, Deferred Revenue Expenditure; E-vouching, Uses, Limitations.

**Verification and Valuation of Assets and Liabilities:** Meaning, Objectives of verification and valuation; Position of auditor as regards to Valuation of Assets; Verification and Valuation of different Items - Assets: Land & Building, Plant & Machinery, Goodwill, Investments, Stock in Trade; Liabilities - Bills Payable, Sundry Creditors, Contingent Liabilities.

**Unit V: Audit of Specific Items:** Receivables, inventories, Payables and accruals, Bank and Cash, Tangible assets, Intangible assets, Non-current liabilities, Provisions and contingencies, Share capital, Reserves, Managerial remuneration, Directors' emoluments

#### **Course Exit Learning Outcomes**

Upon the completion of this qualification, the student should be able to demonstrate:

*Understanding of the skills needed in internal audit, internal audit standards, its need and functions in an organization.*

*Capability to install an internal control system and perform the functions of an internal auditor.*

*Capability to perform internal audit and submit an internal audit report.*

#### **Suggested Readings:**

1. Manjunatha, J.M. and others. *Auditing and Assurance*. Himalaya Publishing House.
2. Pagare, Dinakar. *Practice of Auditing*. Sultan Chand
3. Ramaswamy, M. S. *Principles and Practice of Auditing*.
4. Saxena, R.G. *Principles and Practice of Auditing*. Himalaya Publishing House
5. Sharma, T.R. *Auditing Principles and Problems*. Sahitya Bhawan, Agra.
6. Tandon, B. N. *Practical Auditing*. Sultan Chand
7. Usha Devi et al. *Auditing VBH*

**Note: Latest edition of text books may be used.**

### **3-YEAR BACHELOR OF ACCOUNTING DEGREE**

**Pre-requisite:** A student after qualifying at I and II semesters on further qualifying at III and IV semesters' examinations securing 80 credits will be awarded Advanced Diploma in Accounting provided he secures additional 4 credit in skill based vocational courses offered during first year or second year summer term.

**Qualification awarded:** A student on qualifying at I, II, III, IV semesters and thereafter qualifying at V and VI Semesters' examinations securing 120 credits shall be awarded 3-year **Bachelor of Accounting Degree in the Major discipline.**

## Semester V

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Central Government Audit	AAMA4	5	100	60	15	75
Cost Audit and Management Audit	AAMA5	5	100	60	15	75
Course from Minor	MI2	5	100			75
Course from Minor	MI3	5	100			75
Total		20	400			300

### **PAPER BAacctgAAMA4: CENTRAL GOVERNMENT AUDIT**

#### **Course objectives:**

The objectives of this course are to-

*Provide knowledge and understanding of the statutory requirements and practice of audit in government.*

*Provide knowledge and understanding of the accounting practice and audit requirement of different government enterprises in India to equip them with the same*

#### **Course Contents:**

**Unit I: Government Audit:** Objectives - Ensure that the expenditure is incurred out of the fund, which the competent authority has sanctioned, Verify that the expenditure of the government department is sanctioned as per the rules and regulations of the department concerned, See that the expenditure already sanctioned has been incurred by an officer who is authorized to do so, Ensure that the payments have been made to the right persons and they are duly entered in the books on the basis of receipts received from them, See that the payments have been properly classified into capital and revenue, check the existence of stock and stores and their proper valuation, Ensure that expenditures have been incurred in the interest of public, ensure that stocktaking is done periodically and stock registers are maintained up-to-date, Ensure that whether money due from others has been regularly recovered while verifying the receipts; Differences between Government Audit and Commercial Audit - Appointment of auditors, Type of audit, Sanction of audit, Rules and regulations; Standards of Government Audit – Independence, Due care, Continuing Professional education, Supervision, Quality control; Responsibilities of Government Auditors – Plan to complete work and meet agreed deadlines, Maintain close liaison with local government body, Provide appropriate and adequate resources, Assign responsibilities to staff with relevant expertise and experience, Maintain proper accounting records, Submit audit reports;

**Unit II: The Comptroller and Auditor General of India:** Appointment under Article 149 of the Constitution of India; Powers, Role and Functions of the Comptroller and Auditor General of India – As per the CAG's (Duties, Powers and Conditions of Service) Act, 1971; Scope of work - Audit of government accounts (including the accounts of the state governments) in India including all expenditure from the Consolidated Fund of the union or state governments, whether incurred within India or outside, all revenue into the Consolidated Funds and all

transactions relating to the Public Accounts and the Contingency Funds of the Union and the states; Audit Divisions - Defence, Railways, Posts and Telegraphs audit, etc.

**Unit III: Statutory Audit:** Functions of Statutory Auditors as per Article 149 to 151 of the Constitution of India; Scope and Extent of Audit - determined by the C&AG at his discretion; Duties of Statutory Auditor - To audit all expenditure from the Consolidated Fund of India and of each State and Union Territory, to ascertain whether moneys shown in the accounts as having been dispersed were legally available and they are applicable to the purpose for which they have been applied or charged, to ensure whether the expenditure conforms to the authority which governs it, to audit all transactions related to Contingency Fund and Public Accounts, and to audit all Trading, Manufacturing, Profit & Loss account and Balance Sheets pertaining to undertakings of Union/ States;

**Statutory Auditors:** Statutory Auditor's authority - To inspect any office of Accounts under the control of Union/ State Government and such other offices keeping initial records of accounts, to require that any accounts books, documents relevant to the transaction to which the inspection of audit extents shall be sent to such place for perusal and inspection of the data, to put such questions as may be required to elicit the information required for conducting the audit; Sanction of audit by the C&AG.

**Unit IV: Audit of Indian Railways:** Audit Authorities – Director of Railway Audit, Chief Audit Officer, Divisional Audit Officers, Zonal Audit Officers, Principal Director of Audit, Audit Officers; Type of Audit – Statutory and Post Audit; Statutory Audit – Under overall control of Director of Railway Audit; Audit Reports – Specific Reports for serious irregularities, Audit Notes for minor irregularities, Inspection reports showing results of audit, Draft Audit Para for highlighting audit objections for the attention and prompt action by the Head of department, Audit Para in Audit Report for submitting Action Taken Report; Monthly, Quarterly Half Yearly Arrear Reports for Audit objections; Post Audit by the C & AG under the Dy. C&AG of India (Rlys).

**Audit of the LIC of India and the SBI and other Public Sector Banks:** Statutory Audit by Independent auditors - As per the Guidelines issued vide letter No F No 1/14/2004-BOA dated 25<sup>th</sup> November 2014 by the Ministry of Finance Government of India; Appointment of Auditors - Auditor's Panel is given by the C&AG, Selection of Auditors as per the Criteria of Selection by the Reserve Bank of India; Appointment of Auditors on the approval of the Board of Directors; Branch Audit – Auditors appointment out of the Panel of Names given by the ICAI; Remuneration of statutory auditors and Branch auditors as per the norms given by the Reserve Bank of India; Audit report along with the Action Taken Report to the Board of Directors.

**Audit of Public Sector Companies:** Electricity Companies, Oil and Gas Companies - Statutory Audit - by Auditors from the Directorate of Local Bodies of the concerned State Government; Post audit by the Auditors of the Accountant General of the State.

**Audit of Local Bodies (Municipalities and Panchayats):** Statutory Audit - by Auditors from the Directorate of Local Bodies of the concerned State Government; Post audit by the Auditors of the Accountant General of the State.

**Audit of Grant in Aid and Grants under Government Schemes:** Grants and Grant in Aid; Types of grants – Categorical Grants, Block Grants, General Revenue Sharing; Funds are sanctioned as per the terms and conditions of the Scheme; Memorandum of Understanding with the Beneficiary; Internal review; Special audit by Chief Controller of Accounts under Section 14 and 15 of the Act.



**Unit V: Audit Reports and follow up;** Audit Report to the concerned Head of Department, Compliance procedure on Audit Report and Audit Para – Reply to audit Paras, Action taken Report, Arrear reports; Settlement of Audit Paras and Final Compliance Report.

**Public Accounts Committee of Parliament:** Role and functions of the Public Accounts Committee of the Parliament of India; Review procedure, Reports of the Committee to the Parliament.

**Exit Learning outcomes of Qualification:**

Upon the completion of this qualification, the student should be able to demonstrate

*Knowledge and understanding of the theory and practice of public finance and provisions in the Constitution of India regarding devolution of powers to tax to governments at different levels.*

*Knowledge of the system of budgeting and accounting for revenues and expenditures in the governments at different levels in India including the books of accounts of State and central governments.*

*Understanding and skill in maintaining the accounts of governments at different levels.*

*Understanding of the requirement to maintain reliability and true and fair view of books of accounts in government.*

*Knowledge and understanding of the system of government audit of at different levels and in different government entities in India.*

**Suggested Readings:**

1. Account Code for Accountants General of India.
2. Central Government Account (Receipt and Payment) Rules 1983.
3. Central Public Works Accounting Code.
4. Current Finance and Appropriation Accounts of Union Government.
5. Government Accounting Rules, 1990.
6. Government of India Budget.
7. Indian Government Financial Reporting Standards.

**Note: Latest edition of text books may be used.**

**PAPER BAacctgAAMA5: COST AUDIT AND MANAGEMENT AUDIT**

**Course Objectives:**

The course objectives are:

*To equip the students with the knowledge of Cost Audit, its planning and execution as per cost accounting standards.*

*To expose the students to the concept of Management Audit and different types of audit.*

**Course Contents:**

**Unit I: Cost Accounting Standards and GACAP:** Cost Accounting Standards (CAS 1 to CAS 24), Guidance Notes on Cost Accounting Standards, Generally Accepted Cost Accounting Principles (GACAP).

**Unit II: Basics of Cost Audit:** Nature of Cost Audit, Origin of Cost Audit, Genesis of Cost Audit, Relevance of Cost Audit, Objectives of Cost Audit, Legal Framework of Maintenance of Cost Records and Cost Audit.

**Companies (Cost Records and Audit) Rules, 2014:** Short title and Commencement, Definitions, Application of Cost Records, Applicability for cost audit.

**Unit III: Cost Auditor – Professional Ethics and Responsibilities:** Cost Auditor – Definition, Professional Ethics, Duty of a cost auditor to report fraud (Section 143 of the

Companies Act 2013), Punishment for fraud (Section 447 of the Companies Act, 2013), Punishment for false Statement (Section 448 of the Companies Act, 2013).

**Unit IV: Cost Auditing Standards and Reporting:** Cost Auditing Standard on Planning an Audit of Cost Statements – 101 Cost Auditing Standard on Cost Audit documentation; 102 Cost Auditing Standard overall objectives of the independent Cost Auditor and the Conduct of an Audit in Accordance with Cost Auditing Standards; 103 Cost Auditing Standard on Knowledge of Business, its Processes and the Business Environment; 104, Filing of cost audit report to MCA [in XBRL format (as per taxonomy)].

**Unit V: Management Audit:** Meaning, Nature and Scope of management audit, Features of different types of management audit, their techniques and procedures, Energy Audit, Efficiency Audit, Proprietary Audit and Systems Audit, Corporate Development Audit, Corporate Strategy Audit, Corporate Social Audit and safety, Management Audit Report (MAR).

**Course Exit Learning Outcomes:**

On successful completion of the course, the students will be able to:

*Understand the basics of Cost Accounting Rules.*

*Analyse and estimate the different element of cost as per the Cost Accounting Standards.*

*Understand the cost audit report as per new cost auditing rules.*

*File the Cost Audit Report to the MCA as per XBRL Format*

*Demonstrate the understanding of Management Audit*

*Discuss different types of audits such as Energy audit, social audit, etc.*

*Prepare Management Audit Report.*

**Suggested Readings:**

1. Agarwal, N.P. *Cost Audit & Management Audit*.
2. Banerjee, N. *Laws on Cost Audit*. International Law Book Centre, Kolkata.
3. Chowdhary, D. Datta. *Cost Audit and Management Audit*. Central Publication, Kolkata.
4. Institute of Cost Accountants of India. (A) *Industry wise Cost Accounting Record Rules and Cost Audit Report Rules*; (B) *Guidelines on Cost Audit*; (C) *Cost Audit Reports Rules*; (D) *Cost Audit Social Objectives*
5. Institute of Cost Accountants of India. *Cost Audit Social Objectives*.
6. Rajnath. *Cost and Management Audit*. Tata Mc Graw Hill.
7. Saxena, V.K. and Vashisth, C. D. *Cost Audit and Management Audit*. Sultan Chand and Sons Delhi.

**Note: Latest edition of text books may be used.**

**Semester VI**

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Audit of Public Sector Enterprises	AAMA6	5	100	60	15	75
Forensic Audit and Fraud Detection	AAMA7	5	100	60	15	75
Course from Minor	MI4	5	100			75

E-Taxation	SEC3	3	100	15	30	45
Internship	I-2	2				
Total		20	400			300

## **PAPER. BAacctgAAMA6: AUDIT OF PUBLIC SECTOR ENTERPRISES**

### **Course Objectives;**

*To provide knowledge of constitutional provisions and guidance on the methodology and techniques of audit of Indian Railways.*

*To equip students with the knowledge and understanding of legal provisions and the methodology of audit of LIC of India and public sector banks*

*To provide knowledge and develop capability for the audit of public sector companies, local bodies and institutions availing government grants.*

### **Course Contents:**

**Unit I: Audit of Indian Railways:** Audit Authorities – Director of Railway Audit, Chief Audit Officer, Divisional Audit Officers, Zonal Audit Officers, Principal Director of Audit, Audit Officers; Type of Audit – Statutory and Post Audit; Statutory Audit – Under overall control of Director of Railway Audit; Audit Reports – Specific Reports for serious irregularities, Audit Notes for minor irregularities, Inspection reports showing results of audit, Draft Audit Para for highlighting audit objections for the attention and prompt action by the Head of department, Audit Para in Audit Report for submitting Action Taken Report; Monthly, Quarterly Half Yearly Arrear Reports for Audit objections; Post Audit by the C & AG under the Dy. C&AG of India (Rlys).

**Unit II: Audit of the LIC of India and the SBI and other Public Sector Banks:** Statutory Audit by Independent auditors - As per the Guidelines issued vide letter No F No 1/14/2004-BOA dated 25<sup>th</sup> November 2014 by the Ministry of Finance Government of India; Appointment of Auditors - Auditor's Panel is given by the C&AG, Selection of Auditors as per the Criteria of Selection by the Reserve Bank of India; Appointment of Auditors on the approval of the Board of Directors; Branch Audit – Auditors appointment out of the Panel of Names given by the ICAI; Remuneration of statutory auditors and Branch auditors as per the norms given by the Reserve Bank of India; Audit report along with the Action Taken Report to the Board of Directors.

**Unit III: Audit of Public Sector Companies:** Electricity Companies, Oil and Gas Companies - Statutory Audit - by Auditors from the Directorate of Local Bodies of the concerned State Government; Post audit by the Auditors of the Accountant General of the State.

**Unit IV: Audit of Local Bodies -Municipalities and Panchayats:** Statutory Audit - by Auditors from the Directorate of Local Bodies of the concerned State Government; Post audit by the Auditors of the Accountant General of the State.

**Unit V: Audit of Grant in Aid and Grants under Government Schemes:** Grants and Grant in Aid; Types of grants – Categorical Grants, Block Grants, General Revenue Sharing; Funds are sanctions as per the terms and conditions of the Scheme; Memorandum of Understanding with the Beneficiary; Internal review; Special audit by Chief Controller of Accounts under Section 14 and 15 of the Act.

### **Exit Learning outcomes of Qualification:**

Upon the completion of this qualification, the student should be able to demonstrate

*Knowledge and understanding of the practice of public finance and provisions in the Constitution of India regarding devolution of powers to tax to governments at different levels.*

*Knowledge and understanding of the provisions in the Constitution of India regarding audit of public sector enterprises. LIC of India, public sector banks and other companies.*

**Suggested Readings:**

1. *Account Code for Accountants General of India.*
2. *Central Government Account (Receipt and Payment) Rules 1983.*
3. *Central Public Works Accounting Code.*
4. *Current Finance and Appropriation Accounts of Union Government.*
5. *Government Accounting Rules, 1990.*
6. *Government of India Budget.*
7. *Indian Government Financial Reporting Standards.*

**Note: Latest edition of text books may be used.**

**PAPER AAMA7: FORENSIC AUDIT AND FRAUD DETECTION:**

**Course objectives:**

The objective of this course is to -

*Develop understanding of nature of corporate frauds and to sensitise them about the implications.*

*Equip the learner with knowledge and skill of investigating, detecting, reporting and managing the corporate frauds*

**Course contents:**

**Unit I: Fraud:** White collar crimes; Definition, Ingredients of fraud, Factors behind fraud commitment, Persons committing fraud; Types of frauds – Bribery, Corruption, Misappropriation of funds, Theft of Assets, White collar frauds, Accounting Frauds, Frauds in taxation; Corporate frauds, Capital market frauds, Frauds in Government revenue and expenses. Fraud Prevention-Strategies, Fraud prevention for consumers and businesses;

**Unit II: Corporate Frauds:** Meaning, Nature of corporate fraud, Concept of fraud under Companies Act 2013, Frauds for and against a company, Victims of fraud; Types of Corporate Frauds - Bribery and corruption, Misappropriation of assets, Manipulation of financial statements, Procedure-related frauds; Corporate espionage, Fraud in e-commerce. **Business frauds:** Overview, Case study of (a) Satyam Computers Case, (b) ILL&FS Case, (c) Enron Case, (d) World Com Case

**Banking Frauds:** Overview- Case study of (a) Barring Bank Case, (b) Nirav Modi and Mehul Choksi Fraud Case, (c) Vijay Malya Fraud Case

**Capital Market Frauds:** Overview, Case study of (a) Harshad Mehta Case, (b) Ketan Parakh Case

**Unit III: Fraud Audit:** Principles of Fraud Auditing, Fraud Auditors' Skills, Forensic Audit and the Internal Auditor, Forensic Audit and Internal Control; Forensic Audit Methodology, Forensic Audit in Computerized Accounting and Working Environment, Issues in Forensic Audit.

**Unit IV: Fraud Detection:** Fraud Investigation and Engagement processes; Symptoms of fraud; Evidence Collection process; Fraud Examination Evidence: Physical, Documentary and Observational Evidence, Interview and Interrogative Methods Detection of Financial Statement Fraud, Revenue Fraud, Inventory Fraud, Fraud on reserves.

**Unit V: Fraud Reporting:** Fraud report to management, Follow up - Litigation, and Recovery Process. Valuation of Damages, Damage Analysis;

Auditor's Responsibility; Other types of misconduct.: Foreign Corrupt Practices Act (FCPA) Investigation, Anti-money laundering investigation.

**Course Exit Learning Outcomes:**

Upon the completion of this course, the student shall be able to demonstrate insight into:

- Understanding of the nature and implications of frauds in corporate set up.*
- Develop capability in managing the corporate enterprise preventing frauds.*
- Understand and apply the knowledge gained in investigating, detecting, reporting and managing the frauds in corporate set up.*
- Ensure resolution of frauds and prevent their recurrence*

**Suggested Readings:**

1. Banerjee, Robin. *Corporate Frauds: Business Crimes now Bigger, Broader, Bolder*. Sage Publications 2021
2. Banerjee, Robin. *Who Blunders and How: The Dumb side of the Corporate World*.
2. Michael, J. Comer. *Corporate Fraud*. Routledge
4. Palak Shah. *The Market Mafia: Chronicle of India's Technology Stock Market*.
5. Smarak Swain. *The Great Indian Fraud: Serious Frauds that Sook the Economy*.
6. Varun Chandra. *The Curious Case of Black Money and White Money: Exposing the Dirty Game of Money Laundering*.

**Note: Latest edition of text books may be used.**

**4-YEAR BACHELOR OF ACCOUNTING HONOURS DEGREE**

**Pre-requisite:** A student after qualifying at I and II semesters and at III and IV semesters' on further qualifying at V and VI semester examinations securing 80 credits will be eligible for admission to **4-year UG Honours Degree** in Accounting provided he secures additional 4 credit in skill based vocational courses offered during first year or second year summer term.

**Qualification awarded:** A student on further qualifying at VII and VIII semesters' examinations provided he secures 160 credits shall be awarded 4-Year Bachelor of Accounting Honours in the major discipline.

**Semester VII**

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Information Systems Audit	AAMA8	5	100	60	15	75
Advanced Auditing & Assurance	AAMA9	5	100	60	15	75
Course from Minor	MI5	5	100			75
Course from Minor	MI6	5	100			75

Total		20	400			300
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## **PAPER BAacctgAAMA8: INFORMATION SYSTEMS AUDIT**

### **Course Objectives:**

This course aims to

*Develop understanding of the students about the information system and the information system audit.*

*Develop ability and expertise among the students for information system audit.*

### **Course Contents:**

**Unit I: Information Systems:** Need, Scope, Auditing software, Information Technology for business – Role and functions; General controls, Logical Access controls, Physical and Environmental Security, Data Backup and Recovery, Network Security, Information Technology Application Control: Computer Assisted Audit – Audit requirements, Audit planning, Audit quality assurance; Audit methodology – Pre-Audit activities, Sampling, Evidence gathering, Audit observations, Audit Report; Information Systems Auditor - Role and Competence.

**Unit II: Information Systems Audit:** Information Systems Audit Process – Interviewing Key-personnel, Testing Information system controls, Customer satisfaction surveys, Assignment performance surveys, Review of documents, Documentation of observations, Audit Report, Follow up activities.

**Unit III: Business Continuity Management Audit:** Business Continuity Management Activities, Audit Scope, Policy and Procedures, Establish Audit Objectives, Data Centre Documentation, Risk Assessment, Business Assessment Analysis, Training, Maintenance, Review of Documents, Recording Observations, Audit Report.

**Unit IV: Data Centre Audit:** Backup Procedures, Security Environment, Security Procedures, Data Centre Policies and Procedures, Data Centre Personnel, Data Centre Equipment; Data Centre Audit, Audit Process; Review of Documents, Interview with Key Personnel, Recording Observations, Audit Report.

**Unit V: E Commerce Audit:** Types of E Commerce, Risk in E Commerce, Electronic Payment Systems, Risk in Payment Systems, Frauds in E Commerce; E Commerce Audit Approach– Evaluation of Business Aspects, Risk Assessment, Identification and Authentication of System and records, Data Validation and Authentication, Data Storage Integrity, Compliance with Regulations and Best Practices, Third Party Services, Audit Report.

### **Course Exit Learning Outcomes:**

After completion of this curriculum the student will be able to demonstrate:

*Understanding of the role and function of the information system in business operations.*

*Competence and expertise in the area of information system audit.*

*Ability to undertake effective information system audit.*

### **Suggested Readings:**

1. Gibson, Davnil and Igonor, Andy. (2020). *Managing Risk in Information Systems*. Jones & Bartlett Learning.
2. Hall, James A. (2015). *Information Technology Auditing*. Cengage Learning
3. Isaac. (2015). *Security Audit and Control Features SAP ERP*. Isaac.
4. Kegerreis, Mike Shiller, and Mike Davs, Chris. (2019). *IT Auditing Using Controls to Protect Information Assets*. Jones & Bartlett Learning.
5. Musaji, Yusufali F. (2002). *Integrated Auditing and ERP System*. Wiley
6. Natan, Ron Ben (2005). *Implementing Data Base Security and Auditing*. Elsevier Digital Press.
7. Skalk, Steven L. Golden, Thomas W. and Clayton, Mona M. (2011). *A Guide to Forensic Accounting Investigation*.
8. Weiss, Martin Solomon, Michael G. (2010). *Auditing IT Infrastructures for Compliance*.
9. ICAI (2009). *Technical Guide on Information Systems Audit*. Sahitya Bhawan Publications, Agra

**Note: Latest edition of text books may be used.**

### **PAPER BAacctgAAMA9: ADVANCED AUDIT AND ASSURANCE**

#### **Course Objectives**

This course aims to

- Provide understanding of the essentials of audit, audit standards, audit strategy, audit planning and programming audit techniques and audit work.*
- Provide knowledge on audit standards, and the institutions for setting audit standards.*
- Equip the students with understanding of audit risks and capability to develop appropriate strategy and plan for audit work.*
- Provide knowledge of audit documentation and audit evidence.*

#### **Course Contents**

**Unit I: Audit Standards:** International Auditing and Assurance Standard Board (IAASB); Generally Accepted auditing standards (GAAS), Auditing and Assurance Standards Board (AASB); Auditing and Assurance Standards (AASs); Standards on Auditing, Guidance Note(s) issued by the ICAI; Engagement Standards: Elements of System of Quality Control; Ethical requirements relating to an audit of financial statements.

**Audit Standards setting process:** Nature, Objective and Scope of Audit standards: Audit Standard Setting Process: Overview, Standard-setting process,

**Unit II: Standards of Audit (SA):** SA 200: Overall Objectives of the Independent Auditor and the Conduct of an Audit in Accordance with Standards on Auditing; SA 210: Agreeing the Terms of Audit Engagements; SA 220: Quality Control for an Audit of Financial Statements. SA 230: Audit Documentation; SA 240: The Auditor's Responsibilities Relating to Fraud in An Audit of Financial Statements; SA 299: Responsibility of Joint Auditors; SA315: Identifying and Assessing the Risk of Material Misstatement through Understanding the Entity and Its Environment; SA320: Materiality in Planning and Performing an Audit; SA 402: Audit

Consideration Relating to an Entity Using a Service Organisation; SA500: Audit Evidence.SA 501: Audit Evidence – Specific Considerations for Selected Items; SA 530: Audit Sampling.SA 540: Auditing Accounting Estimates, Including Fair Value Accounting Estimates, and Related Disclosures; SA 570: Going Concern

**Unit III: Statements and Guidance Notes:** Statements and Guidance Notes on Auditing issued by the ICAI; Significant differences between Auditing and Assurance Standards and International Standards on Auditing.

**Unit IV: Audit Risks:** Concepts – Materiality and Performance Materiality, Materiality levels, Procedures to obtain initial understanding, Analytical procedures in planning, Compute and interpret key ratios used in analytical procedures, Inherent Limitations of an audit.

**Audit Strategy:** Audit Strategy; Effect of fraud and misstatements on the Audit Strategy, Audit planning; Planning an Audit of Financial Statement; Audit programme; Development of Audit Plan and Programme, Control of quality of audit work - Delegation and supervision of audit work; Materiality and Audit Plan; Revision of Materiality; Documenting the Materiality; Performance Materiality

**Audit Planning and Programming:** Need and importance of audit planning; Contents of Audit plan; Strategy for the flow of audit work; Importance of supervision: review of audit notes and working papers; drafting of reports; principal's ultimate responsibility; extent of delegation; control over quality of audit work; reliance on the work of another auditor, internal auditor.

**Unit V: Audit Documentation and Audit Evidence:** Concept of Audit Documentation; Nature & Purpose of Audit Documentation; Form, Content & Extent of Audit Documentation; Completion Memorandum; Ownership and custody of Audit Documentation; Audit procedures for obtaining audit evidence; Sources of evidence; Relevance and Reliability of audit evidence; Sufficient appropriate audit evidence, Evaluation of Audit Evidence; Audit procedure to identify litigation & claims; Safe custody and retention of Working Papers.

### **Course Exit Learning Outcomes**

Upon the completion of this qualification, the student should be able to demonstrate:

*Understanding of essentials of audit, audit standards, strategy, planning and programming audit techniques and audit work.*

*Knowledge on audit standards, and the institutions for setting audit standards.*

*Understanding of audit risks and capability to develop appropriate strategy and plan for audit work.*

*Knowledge of audit documentation and audit evidence.*

### **Suggested Readings**

1. Gupta, Karnal. *Contemporary Auditing*. Tata Mc. Graw-Hill, New Delhi.
2. Gupta, Kamal. *Practical Auditing*. Tata Mac Graw Hill
3. Manjunatha, J.M. and others. *Auditing and Assurance*. Himalaya Publishing House.
4. Pagare, Dinakar. *Practice of Auditing*. Sultan Chand
5. Ramaswamy, M. S. *Principles and Practice of Auditing*.
7. Saxena, R.G. *Principles and Practice of Auditing*. Himalaya Publishing House
8. Sharma, T.R. *Auditing Principles and Problems*. Sahitya Bhawan, Agra.
9. Tandon, B. N. *Practical Auditing*. Sultan Chand
10. Usha Devi et al. *Auditing VBH*

**Note: Latest edition of text books may be used.**



## Semester VIII

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Special Audits	AAMA10	5	100	60	15	75
Audit Function and Professional Ethics	AAMA11	5	100	60	15	75
Course from Minor	MI-7	5	100			75
Course from Minor	MI-8	5	100			75
Total		20	400			300

### **PAPER BAacctgAAMA10: SPECIAL AUDITS:**

#### **Course Objectives**

This course aims to

*Provide knowledge and information to students on statutory requirements regarding special audit practices.*

*Develop understanding of students on matters related with social and environmental concerns*

*Update the knowledge of students on contemporary audit practices.*

#### **Course Contents:**

**Unit I: Management Audit:** Meaning, Definition, Objectives, Types, Management audit procedure.

**Unit II: Propriety Audit:** Meaning, Objectives, Some examples – CAG Audit of government Revenue and Expenditure.

**Unit III: Efficiency Audit cum Performance Audit:** Meaning, Objective – Vale of Money (VoM) Audit, Some examples – Review of performance of Projects, Programmes, Schemes, Organisations.

**Unit IV: Environmental Audit:** Meaning, Objectives, Kyoto Protocol, Guidelines of Environment Department, Some examples – Compliance of statutory and internal requirements, Facilitating Management Control of Environmental Practices.

**Unit V: Social Audit:** Meaning, Definition, Objectives, Types, Scope – Items examples, Some examples - Model of MNAREGA Social audit, Report of the Aruna Roy Committee.

#### **Course Exit Learning Outcomes**

Upon the completion of this qualification, the student should be able to demonstrate:

*Knowledge on statutory requirements regarding special audit practices.*

*Understanding on matters related with social and environmental concerns*

*Updated knowledge on contemporary audit practices.*

#### **Suggested Readings:**

1. Gupta, Karnal. *Contemporary Auditing*. Tata Mc. Graw-Hill, New Delhi
2. Pagare, Dinakar. *Practice of Auditing*. Sultan Chand
3. Tandon, B.N. *Principles of Auditing*, S. Chand and Company, New Delhi.
4. Tandon, B. N. *Practical Auditing*. Sultan Chand

5. Usha Devi et al. *Auditing VBH*

**Note: Latest edition of text books may be used.**

## **PAPER BAacctgAAMA11: AUDIT FUNCTION AND PROFESSIONAL ETHICS**

### **Course Objectives:**

This course aims to

*Develop understanding of essentials of audit function, audit standards, audit strategy, planning and programming audit techniques and audit work.*

*Develop understanding of the role and functions of statutory auditors, their qualifications, methods of appointment, rights, duties and liabilities, professional requirements and expectations.*

*Develop capability and understanding of the limitations of internal and external audit, treats and safeguard requirements for them.*

*Equip the students with knowledge and understanding of professional ethics of auditors, the ICAI Code of Conduct for members and the consequences in case of violation.*

### **Course Contents**

**Unit I: Corporate Governance and Audit Function:** Objective and meaning, Directors' responsibilities, Role and structure of Audit Committee,

**Unit II: Limitations of Internal and External Audit:** Outsourcing internal audit, strengths and limitations of outsourcing internal audit function,

**Unit III: Audit Threats and Safeguards:** Role of External and Internal audit, Factors to assess – Internal audit, Responsibilities of internal and external auditors for the prevention and detection of fraud and error,

**Unit IV: Professional Ethics for Auditors:** Ethics-meaning, importance, nature and relevance to profession, Values and attitudes for professional auditors. Seven principles of public life-selflessness, integrity, objectivity, accountability, openness, honesty and leadership.

**Unit V: Professional ethics for auditors in India:** Code of Ethics with special reference to the relevant provisions of the Chartered Accountants Act 1949 and the Regulations there under.

**Consequences of Non-compliance and Violation of Professional Ethics:** Professional misconduct, Civil and criminal offences, Penalties, prosecution and punishment.

### **Exit Learning outcomes of Qualification:**

Upon the completion of this qualification, the student should be able to demonstrate:

*Understanding of essentials of audit function, audit standards, audit strategy, planning and programming audit techniques and audit work.*

*Understanding of the role and functions of statutory auditors, their qualifications, methods of appointment, rights, duties and liabilities, professional requirements and expectations.*

*Understanding of the limitations of internal and external audit, treats and the safeguard requirements for them.*

*Knowledge and understanding of professional ethics of auditors, the ICAI Code of Conduct for members and the consequences in case of violation.*

### **Suggested Readings:**

1. Gupta, Karnal. *Contemporary Auditing*. Tata Mc. Graw-Hill, New Delhi.
2. Gupta, Kamal. *Practical Auditing*. Tata Mac Graw Hill
3. Manjunatha, J.M. and others. *Auditing and Assurance*. Himalaya Publishing House.
4. Pagare, Dinakar. *Practice of Auditing*. Sultan Chand
5. Ramaswamy, M. S. *Principles and Practice of Auditing*.

7. Saxena, R.G. *Principles and Practice of Auditing*. Himalaya Publishing House
8. Sharma, T.R. *Auditing Principles and Problems*. Sahitya Bhawan, Agra.
9. Sharma, T. R. *Auditing*. Sahitya Bhawan, Agra.
10. Tandon, B.N. *Principles of Auditing*, S. Chand and Company, New Delhi.
11. Tandon, B. N. *Practical Auditing*. Sultan Chand
12. Usha Devi et al. *Auditing VBH*

**Note: Latest edition of text books may be used.**

#### **4-YEAR BACHELOR OF ACCOUNTING HONOURS WITH RESEARCH DEGREE**

**Pre-requisite:** Students who secure 75% marks and above in the first six semesters and wish to undertake research at the undergraduate level can choose a research stream in the fourth year.

**Qualification awarded:** The students who secure 160 credits, including 12 credits from a research project/dissertation, are awarded 4-Year Bachelor of Accounting Honours with Research in Major Discipline. The students should undertake and complete a research project or dissertation under the guidance of a faculty member of the University/College. The research project/dissertation will be in the major discipline.

#### **Semester VII**

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Information Systems Audit	AAMA8*	5	100	60	15	75
Advanced Auditing & Assurance	AAMA9*	5	100	60	15	75
Course from Minor	MI5	5	100			75
Course from Minor	MI6	5	100			75
Total		20	400			300

**Note: \* Detailed course content of AAMA8: Information Systems audit, and AAMA9: Advanced Audit and Assurance are as given on pages 73 and 74 respectively.**

#### **Semester VIII**

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Business Research Methods	RM1	5	100	60	15	75
Statistical Analysis of Research Data using	RM2	5	100	15	60	75

Software (Excel, SPSS, etc.)						
Dissertation	RM3	12	200			180
Total		22	400			330

## **PAPER BAacctgRM1: BUSINESS RESEARCH METHODS**

### **Course Objectives:**

The objectives of the course are to:

*Provide understanding of concepts, tools and techniques of carrying out business research.*

*Expose students with the methods and process of data analysis for scientific research.*

### **Course Contents:**

**Unit I: Research:** Meaning, Characteristics, Objectives, Motivation in Research, Types, Methods, Significance, Process, Approaches, Criteria of Good Research. Concept of Theory, Empiricism, Deductive and Inductive Theory. Research Standards, Research Ethics, Code of Ethics for Researchers.

**Research Problem:** Selection of Problem of Research, Research Problems in Social Sciences, Components and Sources of Research Problem, Defining Research Problem, Evaluation of Research Problem.

**Measurement and Scaling:** Scales of Measurement, Types of Data Measurement Scales, Techniques of Data Scaling, Goodness of Measurement Scales, Deciding the Scale; Development of Research Instruments – Questionnaires and Schedules, Testing the Research Instruments; Reliability and Validity Tests, Testing the Reliability using Cronbach's Alpha.

**Sampling:** Introduction to Sampling: Concepts of Population, Sample, Sampling Frame, Sampling Error, Sample Size, Characteristics of a good sample, Types of Sampling - Probability and Non-Probability, Determining Size of the Sample, Sample v/s Census Method of Data Collection.

**Unit II: Review of Literature:** Need, Purpose and Making Notes on Literature Reviewed, Research Gap Identification. Sources of Research Papers and other published works, Search engines and use of keywords, Systematic Review, Methods of Review of Literature. Use of software for Review of Literature.

**Unit III: Research Design:** Meaning, Need & Importance, Features of Good Research Design, Types of Research Design – Concept, Pros & Cons. Qualitative, Quantitative and Mixed Research Designs, Types of Sampling Design, Variables in Research: Introduction, Meaning, Types.

**Collection of Data:** Primary and Secondary data; Collection of Primary Data: Methods of Data Collection - Field Survey, Observations, Experimentation; Identification and Selection of Respondents, Serving the Instruments and Collection of Instruments; Secondary data: Sources, Identification and Selection of Source; Databases as Source of Secondary Data.

**Data Processing:** Field work validation, Editing, Coding, Classification and Tabulation of data.

### **Unit IV: Data Analysis:**

**Univariate Data Analysis Techniques:** Descriptive Statistical Measures; Use of Charts and Graphs.

**Bivariate Data Analysis Techniques:** Descriptive Statistics, Simple Correlation, Simple Regression, Linear Regression, Panel Data Regression - Pooled Regression, Fixed Effect and Random Effect Models, Logistic Regression, Ordinal Regression, Probit, Concepts of adjusted R-square, Autocorrelation, Serial Correlation, Multicollinearity, Heteroscedasticity (for time series regression), Stationarity.

**Multivariate Analysis Techniques:** Factor Analysis, Exploratory Factor Analysis, Confirmatory Factor Analysis, Reliability Test, Structural Equation Modelling, Discriminant Analysis, Cluster Analysis (Two-step, K-means, Hierarchical), Conjoint Analysis, Artificial Neural Networks; Event Study Methodology.

Content Analysis: Content, Process of Content Analysis, Word count etc.

**Unit V: Testing of Hypotheses:** Concept, Meaning, Types; Steps in Testing the Hypothesis, Error in Hypothesis Testing - Type I and Type II Errors, P – Value Approach.

**Testing Significance of Results - Parametric Tests:** Choosing between the two, Level of Significance, One sample z test, Two samples z test, One sample t test, Two samples t test, Paired sample t test,

**Non-Parametric Tests:** Chi-square test, Mann Whitney U Test, Wilcoxon Signed Rank Test. Univariate Normality Tests - Kolmogorov Smirnov Test, Shapiro-Wilk Test, Multivariate Normality Test,

**Analysis of Variance:** One-way ANOVA, Two-way ANOVA, MANOVA, MANCOVA, Kruskal Wallis H Test, Friedman Test, Tests of Homogeneity of Variance.

Use of Software for Data Analysis and Testing the Significance of Results: SPSS, AMOS, GRATL, Smart PLS, NVivo, Zotero/Mendeley, etc.

**Report Writing:** Types of Reports, Footnotes and Endnotes, Reference List and Bibliography, Use of Citations and References; APA Style. Plagiarism, Software for detection of plagiarism; Problems encountered by Researchers in India.

#### **Course Exit Learning Outcomes:**

On successful completion of the course, the students will be able to

*Develop thorough understanding of the fundamental theoretical ideas and logic of research and Research Standards and Research Ethics.*

*Propose a research study and justify the theory as well as the methodological decisions.*

*Formulate hypothesis and test the hypothesis.*

*Use the statistical tools and software packages in research*

*Acquire the skill in drafting research report.*

*Capability in taking up bivariate and multi-variate data analysis in research and test the significance of results.*

*Capability in undertaking research independently.*

*Confidence in undertaking research projects independently.*

#### **Suggested Readings:**

1. Bajpai, Naval. *Business Research Methods*. Pearson.
2. Bhandarkar, P. L. & Wilkinson, T.S. *Methodology and Techniques of Social Research*. Himalaya Publishing House.
3. Bryman, Alan & Emma Bell. *Business Research Methods*. Oxford University Press – India Edition.
4. Churchill. *Marketing Research*. Dryden Press, Harcourt Publications
5. Collis, Jill & Hussey, Roger. *Business Research: A Practical Guide for Undergraduates &*

- Postgraduates*. Palgrave Macmillan – India.
6. Cooper and Pamela. *Business Research Methods*. Tata Mc Graw Hill.
  7. Kothari, C. R. *Research Methodology: Methods and Techniques*. New Age International Publishers.
  8. Krishnaswamy O.R. and Ranganatham, M. *Methodology of Research in Social Sciences*. Himalaya Publishing House.
  9. Kumar, Ranjit. *Research Methodology – A Step-by-Step Guide for Beginners*. Pearson Education.
  10. Malhotra, Naresh. *Marketing Research*. Pearson Publication (Second Text)
  11. Mohan, S. and Elangovan, R. *Research Methodology in Commerce*. Deep and Deep Publications Pvt Ltd., New Delhi.
  12. Panneerselvam, R. *Research Methodology*. PHI Learning Pvt Ltd., New Delhi.
  13. Sekaran, Uma. *Research Methods for Business*. Wiley India, New Delhi.
  14. Saunders. *Business Research Methods*. Pearson Publications.
  15. Sharma, K. R. *Research Methods*. Atlantic Publishers, New Delhi
  16. Zikmund. William G. *Business Research Methods*. Cengage Learning.

**Note: Latest edition of text books may be used**

## **PAPER BAacctgRM2: STATISTICAL ANALYSIS OF RESEARCH DATA USING SOFTWARE (EXCEL, SPSS, ETC.)**

### **Course Objectives:**

The course aims to:

*Provide the students' knowledge and understanding of the computerised systems for the collection and analysis of data using statistical methods.*

*Equip the students with the knowledge and understanding of the statistical techniques and computer software technology for the analysis of statistical data and testing their significance for the intended use.*

*Develop competence of students in analysing the data using technology and statistical methods in a business set up.*

### **Course Contents:**

**Unit I: Testing of Significance of Results:** Parametric and non-parametric tests; Testing the significance of results using Parametric tests – the Z test for large samples and the t test for small samples; Testing the results using non-parametric tests; Testing the hypothesis and Interpretation of results.

**Unit II: Skill Development using Microsoft Excel:** Use of Microsoft Excel and Software Packages for Data Analysis; Spreadsheet concepts; Managing worksheets; Formatting, conditional formatting, entering data, Editing, and Printing and Protecting worksheets; Handling operators in formula, Project involving multiple spreadsheets, Organizing Charts and graphs; Working with Multiple worksheets; controlling worksheet views, Naming cells and cell ranges.

**Working with Data:** Sort and filter, Consolidate Tables, Pivot tables; What-if-analysis: Goal seek, Data tables and Scenario manager; Data analysis ToolPak:

**Unit III: Skill Development - Creating business spreadsheet:** Loan and Lease statement; Ratio Analysis; Payroll statements; Capital Budgeting; Constraint optimization, Assignment Problems, Depreciation Accounting; Graphical representation of data; Frequency distribution and its statistical parameters; Develop proficiency in using statistical and other functions

contained therein related to formation of frequency distributions and calculations of Descriptive Statistics, Averages, measures of dispersion, Correlation and Regression Analysis; Accounting ratios; BSE SENSEX & NSE NIFTY.

**Unit IV: Skill Development - Statistical Package for Social Sciences (SPSS):** User Manual, preparing data for analysis, basic usage of SPSS software (import/export of data, commands like open, save, etc., applying basic statistical analysis; Quantitative and Qualitative data analysis, Descriptive analysis and testing the significance of one variable, two variables and multi-variables data.; Security and control of information systems.

**Unit V: Recent Trends in Computing:** Tools of business collaboration: emails, wikis, file sharing, screen sharing, web presenting, work scheduling; Cloud computing: meaning, types of cloud services: IaaS, PaaS, SaaS; Grid Computing; Virtualization; Green Computing; E-Commerce: meaning, business models, Electronic Data Interchange (EDI), Payment Gateways; Internet of Things (IoT); Ethical and Social dimensions in the use of technology for data analysis.

**For Skill development:**

(1) The Department shall purchase and install the necessary technology and equipment, develop an Accounting Laboratory and engage and develop competent and skilled faculty to guide and supervise the students in Statistical Data Analysis.

(2) The students would be given adequate time to practice in the Accounting Laboratory using the installed hardware and software.

**Course Exit Learning Outcomes:**

Upon successful completion of this course the student should be able to demonstrate:

*Understanding of the statistical methods used for collection and analysis of data.*

*Understanding of computer hardware and software packages and their capability and usage in analysis of data.*

*Develop instruments and collect data by conducting sample surveys and from secondary sources.*

*Analyse the data using computer software, test their significance and interpret the results.*

**Suggested Readings:**

1. Budnick, P. *Applied Mathematics*. McGraw Hill Publishing Co.
2. Elmasari, Ranez and Shamkant B. Navathe, *Fundamentals of Database Systems*. Pearson
3. Gupta, S.C. *Fundamentals of Statistics*. Himalaya Publishing House.
4. Jain Hem Chand and Tiwari H. N. *Computer Applications in Business*. Taxman Publications.
5. Levin, Richard and Rubin, David S. *Statistics for Management*. Prentice Hall of India, New Delhi.
6. Madan, Sushila, *Computer Applications in Business*. Scholar Tech Press.
7. Mathur Shruti and Jain Pooja. *Computer Applications in Business*. Galgotia Publishing Company
8. Mizrahi and John Sullivan. *Mathematics for Business and Social Sciences*. Wiley and Sons.
9. *Schaum's Outlines Series*. McGraw Hill Publishing Co.
10. Sharma, J. K. *Business Statistics*. Pearson Education.
11. Sharma S.K. and Bansal Mansi. *Computer Applications in Business*. Taxman Publications.
12. Wayne, Winston. *Data Analysis & Business Modelling*. PHI Publishing.

**Note: Latest edition of text books may be used.**

### **PAPER BAacctgRM3: PROJECT REPORT/THESIS IN ACCOUNTING**

This course requires students to participate in field-based learning/project generally under the supervision of an employee of the given external entity. This shall require 30 hours per credit in a semester along with 15 hours of activities such as preparation for the field projects, data analysis, preparation of reports etc., and independent reading and study.

**Course Contents:** For the Dissertation in Accounting the activities to be undertaken during VII Semester will include writing of project/research proposal, and after approval of the Research problem by the Departmental Research Committee undertaking research under a supervisor allocated by the department, review of related literature or studies and collection of required data.

**Research Project / Dissertation (12 credits):** Students choosing a 4-Year Bachelor's degree (Honours with Research) are required to take up research projects under the guidance of a faculty member. The students are expected to complete the Research Project in the eighth semester. The research outcomes of their project work may be published in peer-reviewed journals or may be presented in conferences /seminars or may be patented.

#### **Exit Learning Outcomes of Qualification:**

Upon the completion of this qualification, the student should be able to demonstrate:

*Contemporary higher-level knowledge and competence in the fields of Financial Accounting, Cost Accounting, Management Accounting, Taxation, Auditing and Assurance and Finance.*

*Integrated knowledge of the research process – the skill to plan a research project, undertake literature review and empirical analysis, undertake interpretation of the results and come to conclusions.*

*Competency in identifying research problem, identify research objectives, research questions, undertake review of literature, methodology of data collection, data analysis using statistical and econometric methods and technology to analyse the data, interpreting the results and presenting the findings in the form of a written research report.*

*Acceptable behaviour within the academic environment, inclusive of adherence to the requirements of rules on plagiarism and copyright, and the ability to interact and collaborate effectively with others whilst taking co-responsibility for his/her own learning and research progress.*

*Capability to groom and develop competent researchers capable of contributing to the advancement of knowledge in the field of accounting.*

*Capabilities to groom researchers in order to ensure that the research leadership and scholarly activity in accounting is widened in the country.*



### (3) COST AND MANAGEMENT ACCOUNTING MAJOR

#### BACHELOR OF ACCOUNTING - CERTIFICATE

**Eligibility for the UG Programmes:** Senior Secondary School Leaving Certificate or Higher Secondary (12th Grade) Certificate obtained after successful completion of Grade 12 or equivalent stage of education corresponding to Level-4.

**Qualification awarded:** A student qualifying at Semester I and II examinations securing 40 credits shall be awarded **Certificate in Accounting** provided he secures 4 credits in work based vocational courses offered during summer term or internship / Apprenticeship in addition to 6 credits from skill-based courses earned during first and second semester.

#### Semester I

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Financial Accounting I	PRC-1	Nil	100	45	15	60
Financial Accounting II	PRC -2	Nil	100	45	15	60
Indian Accounting Standards	FAMA1	5	100	60	15	75
Corporate Accounting I	FAMA2	5	100	60	15	75
Multi-Disciplinary Course 1	MDC-1	4	100			60
Business Communication (English)	AEC-1	4	100	45	15	60
Environment Studies	VAC-1	2	100	15	15	30
Total		20	700			300

#### PAPER BAacctgFAMA.01: INDIAN ACCOUNTING STANDARDS (IND AS)

##### Course Objective:

The course aims to

*Help the students to acquire the conceptual knowledge of the accounting standards being used in India*

*Help the students apply relevant financial reporting standards to key elements of financial reports. The focus will be on process of recognition, measurement and disclosures*

##### Course Contents:

**Unit I: Overview of Indian GAAP:** Background and Roadmap for implementing Ind AS - Framework for the presentation and preparation of Financial Statements in accordance with Indian Accounting Standards -Conceptual changes (Fair value, time value of money, Other Comprehensive Income, Compound Financial instruments) – Comparison with IFRS - IND AS-1 (Presentation of Financial Statements)

**Unit II: Accounting for Assets and Liabilities:** IND AS 2 (Inventories) - IND AS 16 (Property, Plant and Equipment) – IND AS 38 (Intangible Assets) – IND AS 36 (Impairment of Assets) Recognition, Measurement and Disclosure in financial statements including accounting policies, Notes and Schedules (including Exercises, Problems and Case Studies in Corporate setup)

**Unit III: IND AS 113 (Fair Value Measurement)** – IND AS 115 (Revenue from Contracts with Customers) - IND AS 37, Provisions, Contingent Liabilities and Contingent Assets Recognition, Measurement and Disclosure in financial statements including Accounting Policies, Notes and Schedules (including Exercises, Problems and Case Studies in Corporate setup)

**Unit IV: Financial Instruments:** IND AS 109 (Financial Instruments) – IND AS 32 (Financial Instruments: Presentation) - IND AS 107 (Financial Instruments: Disclosures) Recognition, Measurement and Disclosures (including Exercises, Problems and Case Studies in Corporate setup)

**Unit V: Disclosure Standards:** IND AS 7 (Statement of Cash Flows) - IND AS 8, Accounting Policies, Changes in Accounting Estimates and Errors - IND AS 24 (Related Party Disclosures) – IND AS 33 (Earnings per share) – IND AS 34 (Interim Financial Reporting) -IND AS 108 (Operating Segments)-IND AS 101 (First Time Adoption of Indian Accounting Standards). (Including Exercises, Problems and Case Studies in Corporate setup)

**Course Exit Learning Outcomes:**

On successful completion of the course the student shall demonstrate:

*Understanding of the applicability and provisions of IND AS*

*Application of depreciation on tangible assets, intangible assets and impairment of assets through the Ind AS*

*Understanding the fair value concept, provisions of contingent Contracts, revenue recognition from Contracts.*

*Recognition, measurement and disclosure of Financial Instruments as per IND AS*

*Understanding of the process of disclosures as per Ind AS*

**Suggested Readings:**

1. Banka, Anand. *Comprehensive Guide to IND AS Implementation*.
2. Garg, Kamal. *IFRS Concepts and Applications*. Bharath Law House Private Limited
3. Ghosh, T.P. *IFRS for Finance Executives*. Taxman Allied Services Private Limited
4. Gosain, Sariha and Gosain, Rajeeh. *Practical Approach to IND AS Implementation, Illustrations, Summary & Comparisons*.
5. Finch, Clare. *A Students' Guide to International Financial Reporting Standards*. Kalpan Publishing.
6. Kirk, Robert J. *IFRS: A Quick Reference Guide*. Elsevier Ltd.
7. Kumar, Praveen. *Consolidation under IND AS- IFRS Converged Standard*
8. Saini, A. L. *IFRS for India*, Snow White Publications.
9. Sekhar, G and Prashanth, B Sarvana. *Financial Reporting*. Wolters Kluwer India Pvt Ltd.
10. Tripathy, Shibarama. *Roadmap to IFRS and Indian Accounting Standards*.
11. Vijay Kumar, M. P. *First Lesson to International Financial Reporting Standards Beginners Guide*. Prime Knowledge Services.

12.*IFRS Explained – A guide to International Financial Reporting Standards*. BPP Learning Media.

**Note: Latest edition of text books may be used.**

## **PAPER BAcctgFAMA2: CORPORATE ACCOUNTING I**

### **Course Objectives:**

The course aims to:

*Help the students to acquire the conceptual knowledge of the Corporate Accounting and to learn the techniques of preparing the Financial Statements.*

*Make the students Practically sound in marinating accounting of Corporate World*

### **Course Contents:**

**Unit I: Accounting for Share Capital:** Features and types of companies Share and share capital: nature and types. Accounting for share capital: issue and allotment of equity and preferences shares.

Public subscription of shares – over subscription and under subscription of shares; issue at par and at premium, calls in advance and arrears (excluding interest), issue of shares for consideration other than cash.

Concept of Private Placement and Employee Stock Option Plan (ESOP), Sweat Equity.

Accounting treatment of forfeiture and reissue of shares.

Disclosure of share capital in the Balance Sheet of a company. Accounting for Debentures

**Accounting for Debentures:** Debentures: Meaning, types, Issue of debentures at par, at a premium and at a discount. Issue of debentures for consideration other than cash; Issue of debentures with terms of redemption; debentures as collateral security-concept, interest on debentures. Writing off discount / loss on issue of debentures.

**Note:** Discount or loss on issue of debentures to be written off in the year debentures are allotted from Security Premium Reserve (if it exists) and then from Statement of Profit and Loss as Financial Cost (AS 16)

**Unit II: Final Accounts of Companies:** Meaning, Nature, Uses and importance of financial Statement. Statement of Profit and Loss and Balance Sheet in prescribed form with major headings and sub headings (as per Schedule III to the Companies Act, 2013). Preparation of Statement of Profit and Loss and Balance Sheet of Corporate Entities and Disposal of Company Profits. Cash flow statement. Notes on Accounts.

**Note:** Previous years' Proposed Dividend to be given effect, as prescribed in AS-4, Events occurring after the Balance Sheet date. Current years' Proposed Dividend will be accounted for in the next year after it is declared by the shareholders

**Unit III: Cash Flow Statement:** Meaning, objectives Benefits, Cash and Cash Equivalents, Classification of Activities and preparation (as per AS 3 (Revised) (Indirect Method only)

#### **Notes:**

(i) Adjustments relating to depreciation and amortization, profit or loss on sale of assets including investments, dividend (both final and interim) and tax.

(ii) Bank overdraft and cash credit to be treated as short term borrowings.

(iii) Current Investments to be taken as Marketable securities unless otherwise specified.

**Unit IV: Treatment of Profits Prior to Incorporation:** Introduction to the process on incorporation of company, Accounting of Income and Expenses during Pre and Post

Incorporation Period, basis of allocation and apportionment of Income and Expenses for the Pre and Post Incorporation Period.

**Internal Reconstruction of Company:** Concepts and accounting treatment as per Accounting Standard 14, treatment of Reconstruction

**Unit V: External Reconstruction & Amalgamation & Absorption:** Process and presentation of accounts in External Reconstruction - Amalgamation of companies – Meaning –features – Purchase Consideration – methods (lump sum payment method, net asset method, intrinsic value of share method – Absorption Process and Accounting entries – practical problems in all three situations.

**Course Exit Learning Outcomes:**

*Ability to understand the Issue, forfeiture, Reissue of Shares – Debenture Issue and Redemption*

*Ability to prepare final Accounts with important adjustments at the end of the year as per Company Law*

*Ability to account for the Profits Prior to Incorporation*

*To know the process and accounting of External Reconstruction*

*To understand the process and accounting procedure involved in Amalgamation, Absorption and Reconstruction*

**Suggested Readings:**

1. Gupta R.L. Radhaswamy. *Advanced Account*. Sultan Chand and Sons.
2. Jain S.P. and Narang, K.L. *Corporate Accounting*, Kalyani Publishers, New Delhi.
3. Maheshwari, S.N. *Fundamentals of Corporate Accounting*, Taxman Publication, New Delhi.
4. Monga, J.R. *Fundamentals of Corporate Accounting*. Mayur Paper, New Delhi.
5. Sehgal, Ashok. *Fundamentals of Corporate Accounting*. Taxman Publication, New Delhi.
6. Shukla, M.C. Grewal, T.S. and Gupta, S.C. *Advanced Accounts, Vol.II*, S. Chand & Co, New Delhi.

**Note: Latest edition of text books may be used.**

**Semester II**

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Cost Accounting I	CMAMA1	5	100	60	15	75

Auditing and Assurance	AAMA1	5	100	60	15	75
Multi-Disciplinary Course 2	MDC-2	4	100			75
Computerised Accounting	SEC-1	3	100	15	30	45
Understanding India	VAC-2	2	100	15	15	30
Internship	1-1	2				45
Total		21	500			300

### **PAPER BAacctgCMAMA1: COST ACCOUNTING-I**

#### **Course Objectives:**

The course aims to:

*Provide basic knowledge about cost concepts, preparation of cost sheet and ascertainment of cost of a product or service by using cost accounting methods.*

*Explain the basic cost concepts, types of costing methods and techniques*

#### **Course Contents:**

**Unit-I: Introduction:** Meaning and Definition: Cost – Costing – Cost Accounting – Cost Accountancy – Objectives of Cost Accounting – Scope of Cost Accounting – Differences between Cost Accounting and Financial Accounting – Functions of Cost Accountant – Users of Cost Accounting – Essentials of a Good Cost Accounting System – Installation of Costing System – Cost Objects – Responsibility Centres – Advantages and Limitations of Cost Accounting – Classification of Costs – Methods of Costing – Techniques of Costing – Meaning of Cost Standards (Concepts and Theory only)

**Unit-II: Material & Labour Cost:** Introduction – Material Control - Elements of Material Control – Materials Procurement Procedure – Valuation of Material Receipts – Material Storage and Records – Techniques of Fixing Level of Stock: Re-order Stock Level – Re-order Quantity – Minimum Stock Level – Maximum Stock Level – Average Inventory Level – Danger Level – Buffer Stock – Techniques of Inventory Control: ABC Analysis – FSN – HML – VED – JIT – Stock taking and Perpetual Inventory Control – Valuation of Material Issues: Cost Price Methods – Average Price Methods – Market Price Methods – Notional Price Methods

**Employee Cost -** Employee Cost – Employee Cost Control – Attendance and Payroll Procedures: Time Keeping - Time Booking – Payroll Procedure – Idle Time – Overtime – Labour Utilization - Systems of Wage Payment and Incentives: Time Based – Output Based – Premium Bonus Methods – Absorption of Wages – Efficiency Rating Procedures – Employee Turnover: Meaning – Causes – Effects. (Including problems)

**Unit-III: Overheads:** Introduction – Classification of Overheads – Accounting and Control of Manufacturing Overheads – Steps for distribution of overheads – Methods of absorbing

overheads to various products or Jobs – Types of Overheads Rates – Treatment of Under / Over Absorbed Overheads – Accounting and Control of Administrative Overheads – Accounting and Control of Selling & Distribution Overheads – (including problems)

**Unit-IV: Cost Sheet:** Introduction – Functional Classification of Elements of Cost – Cost Heads in Cost Sheet: Prime Cost – Cost of Production – Cost of Goods Sold – Cost of Sales – Cost Sheet: Preparation and Presentation of Cost Information – Advantages of Cost Sheet – Methods of Costing - Single Output Cost; Unit Costing, Job Costing, Batch Costing. (Including illustrative problems)

**Unit V - Methods of Costing:** Contract Costing, Process Costing, and Service Costing. (Including illustrative problems on each method of costing)

**Course Exit Learning Outcomes:**

After learning this course students should be able to:

*Able to have a clear knowledge about cost concepts, cost elements, methods and techniques of costing*

*Understand the elements of material control, Inventory control and Labour cost control.*

*Know the payroll system and procedures, types of wages payment and incentive methods and effect of labour turnover on production*

*Know the classification of overheads and accounting of control of manufacturing, administrative and selling & distribution overheads.*

*Prepare a Cost Sheet for Single Output/Unit Costing*

*Ascertain costs in Job Costing, Batch Costing, Contract Costing Process Costing Service Costing*

**Suggested Readings:**

1. Banerjee, B. *Cost Accounting: Theory and Practice:* Prentice Hall of India.
2. Horngren, Charles. *Cost Accounting:* Pearson Education.
3. Jain and Narang. *Cost Accounting:* Kalyani Publishers.
4. Jawaharlal, *Cost Accounting:* Tata Mc Graw Hill.
5. Kishore, Ravi M. *Cost Accounting.* Tax Mann Publications.
6. Srihari, Krishna Rao, *Cost Accounting:* Himalaya Publishing House.
7. Tulsian. *Introduction to Cost Accounting,* S. Chand & Co.
8. Yogeshweran, G. *Cost Accounting.* P.B. Publications.

**Note: Latest edition of text books may be used.**

## **PAPER BAacctgAAMA1: AUDITING AND ASSURANCE**

### **Course Objective:**

This course aims at:

*Imparting knowledge about the principles and methods of auditing and their applications*

### **Course Contents:**

**Unit I: Introduction to Auditing:** Introduction – Meaning - Definition – Objectives – Differences between Accountancy and Auditing – Types of audit - Advantages of Auditing – Preparation before commencement of new Audit – Audit Notebook – Audit Working Papers – Audit Program, Recent Trends in Auditing: Nature & Significance of Tax Audit – Cost Audit - Management Audit - Forensic audit.

**Unit II: Internal Control:** Internal Control: Meaning and objectives. Internal Check: Meaning, objectives and fundamental principles. Internal Check as regards: Wage Payments, Cash Sales, Cash Purchases. Internal Audit: Meaning - Advantages and Disadvantages of Internal Audit – Differences between Internal Check and Internal Audit. E- Applications in internal control and check.

**Unit III: Vouching:** Meaning -Definition – Importance – Routine Checking and Vouching – Voucher -Types of Vouchers –Vouching of Receipts: Cash Sales, Receipts from debtors, Proceeds of the sale of Investments. Vouching of Payments: Cash Purchases, Payment to Creditors, Deferred Revenue Expenditure E-vouching, uses and limitations.

**Unit IV: Verification and Valuation of Assets and Liabilities:** Meaning and Objectives of verification and valuation– Position of an Auditor as regards the Valuation of Assets – Verification and Valuation of different Items: Assets: Land & Building, Plant& Machinery, Goodwill – Investments - Stock in Trade. Liabilities: Bills Payable – Sundry Creditors – Contingent Liabilities.

**Unit V: Audit of Limited Companies and Others:** Company Auditor – Appointment – Qualification - Powers - Duties and Liabilities – Professional Ethics of an Auditor - Audit of Educational Institutions – Audit of Insurance Companies- Audit of Cooperative societies.

Audit of banks.

**Note:** Text to be explained along with the relevant Standards on Audit (SAs) issued by the Institute of Chartered Accountants of India (ICAI).

### **Course Exit Learning Outcomes:**

On the successful completion of course, the students will be able to:

*Articulate knowledge of fundamental audit concepts*

*Demonstrate awareness, knowledge and appreciation in application of auditing principles and practices in business operations.*

*Describe the auditor's responsibility for assessing fraud risk and detecting fraud.*

*Understand the role of an Auditor in verifying and valuation of Assets and Liabilities*

*Understand and follow the ethical standards in audit profession*

**Suggested Readings:**

1. Gupta, Kamal. *Practical Auditing*. Tata Mac Graw Hill.
2. Gupta, Kamal. *Contemporary Auditing*. Tata Mc. Graw-Hill, New Delhi.
3. Manjunatha, J. M. and Others. *Auditing and Assurance*. Himalaya Publishing House.
4. Pagare, Dinakar. *Practice of Auditing*. Sultan Chand & Sons.
5. Ramaswamy, M. S. *Principles and Practice of Auditing*.
6. Sharma, T.R. *Auditing Principles and Problems*. Sahitya Bhawan, Agra.
7. Sharma, T.R. *Auditing*. Sahitya Bhawan, Agra.
8. Saxena, R.G. *Principles of Auditing*.
9. Saxena, R.G. *Principles and Practice of Auditing*. Himalaya Publishing House
10. Tandon, B.N. *Principles of Auditing*. S. Chand and Company, New Delhi.
11. Tandon, B. N. *Practical Auditing*, Sultan Chand & Sons.

**Note: Latest edition of text books may be used.**

**BACHELOR OF ACCOUNTING - ADVANCED DIPLOMA**

**Pre-Requisite:** A student after qualifying at I and II semesters on further qualifying at III and IV semesters' examinations securing 80 credits will be awarded **Advanced Diploma in Accounting** provided he secures additional 4 credit in skill based vocational courses offered during first year or second year summer term.

**Qualification awarded:** Students who opt to exit after completion of the second year and have secured 80 credits will be awarded the UG diploma if, in addition, they complete one vocational course of 4 credits during the summer vacation of the second year.

**Semester III**

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Income Tax I	TXMA1	5	100	60	15	75
Statistical Applications in Business	DAMA1	5	100	60	15	75
Multi-Disciplinary Course 3	MDC3	4	100			60



Business Communication (MIL)	AEC2	4	100	45	15	60
Health, Wellness & Yoga	VAC3	2	100	15	15	60
Total		20				

## PAPER BAacctgTXMA1: INCOME TAX I

### Course Objectives:

The objective of this paper is to:

- Make the student to gain knowledge about the direct tax laws in force for the relevant previous year.*
- Provide insight to understand the computation of Income under various heads for the assessment of tax liability for various assesses.*

### Course Contents:

**Unit I: Income Tax Act, 1961 – An Overview:** Background, Important definitions, Determination of Residential Status, Basis of Charge, Scope of Total Income, Tax Rates in accordance with the applicable Finance Act for the relevant assessment year, Agricultural Income, Incomes which do not form part of total Income,

**Unit II: Computation of Income under the head Salaries:** Salary – Coverage, Employer and Employee Relationship, Allowances, Monetary and Non-Monetary Perquisites–Valuation and Taxability, Profits in lieu of Salary, Deductions against Salary, Incomes exempt from Tax and not includible in ‘Salary’, Deduction to be made from salary in respect of Provident Fund under the provisions of the Provident Fund and Miscellaneous Provisions of Act 1952 and tax treatment of employers’ contribution to Provident Fund, Tax Deducted at Source on Salary Income and Compliances, Practical Case Studies.

**Income from house property:** Chargeability, Owner of house property, Determination of Annual Value, Deduction from Net Annual Value, Treatment of Unrealized Rent, Arrears of Rent, Exemptions, Computation of Income from a let-out House Property, Self-Occupied Property, Practical Case Studies.

**Unit III: Income from Profits and Gains from Business and Profession:** Profits and Gains from Business and Profession: Business and Profession – An overview, Chargeability, Profits and Losses of Speculation Business, Deductions Allowable, Expenses Disallowed, Deemed Profits u/s 41, Maintenance of Accounts, Tax Audit, Presumptive Base Taxation, Practical Case Studies.

**Unit IV: Capital Gains and income from other sources:** Chargeability, Capital Gains, Capital Assets & Transfer, Types of Capital Gains, Mode of Computation of Capital Gains, Exemptions and Deduction, Special Provision – Slump Sale, Compulsory Acquisition, Fair

Market Value, Reference to valuation officer, Practical Case Studies; Taxation of Dividend u/s 2(22)(a) to (e), Provisions relating to Gifts, Deductions, Other Miscellaneous Provisions, Practical Case Studies.

**Unit V: Computation of total income of different assesses:** Gross Total Income, Deductions under section 80, clubbing of income, setoff and carry-forward of losses, computation of total Income assessment of Individuals, HUFs, Firms, including LLPs, AOP's and Trusts.

**Course Exit Learning Outcomes:**

On successful completion of the course, the student will be able

- Understand the latest provisions of income tax, rates of tax, cess etc as applicable for the Assessment year.*
- Understand the basis of Charge of income tax based on residential status of assesses. Identify incomes which are taxable and those that are exempted.*
- Understand and apply the basis of charge of income with a focus on different heads on income.*
- Compute taxable income under different heads of income. Compute total taxable income of different assesses.*
- Work as tax consultant, audit assistant and other supporting services*

**Suggested Reading:**

1. Manoharan, T. N. *Students Handbook on Income Tax Law*, Snow White Publications
2. Mehrotra, H. C. *Income Tax Law and Accounts including Tax Planning*, Sahitya Bhawan Publications.
3. Narang and Gaur. *Income Tax*. Himalaya Publishing House.
4. Prasad, B. *Direct Taxes -Law and Practices*. Wishwa Prakashana
5. Singhania Vinod K. and Singhania, Kapil. *Direct Tax Planning and Management*, Taxman.
6. Singhania, Vinod, K. *Direct Taxes - Law and Practices*. Taxman.
7. Srinivas, E. A. *Corporate Tax Planning*. Tata Mc Graw Hill
8. *Income tax Act, 1961 as amended till date.*

**Note: Latest edition of text books may be used.**

## **PAPER BAacctgDAMA1: STATISTICAL APPLICATIONS IN BUSINESS**

### **Course Objectives:**

The course aims to:

*Familiarize the students with various Statistical Data Analysis tools that can be used for effective decision making in business.*

*Emphasize on the application of the concepts learnt to various managerial situations.*

### **Course Contents:**

**Unit-I Introduction to Statistics:** Statistics - Meaning, Definition, Scope of Statistics: In Industry, Economics, and Management. Meaning of primary and secondary data - Qualitative and Quantitative data-Discrete and Continuous variables- Frequency and Frequency Distribution.

**Sampling Techniques:** Need and meaning, Definitions of Population, Sample, Sampling, Advantages of Sampling over Census method, Methods of Sampling- Random & Non-Random sampling.

**Measures of Central Tendency:** Concept of Central Tendency- Requirements of good statistical average- Arithmetic Mean, Geometric Mean, Harmonic Mean – Weighted Average.

**Positional Averages:** Median and Mode, Partition values (Quartiles and Deciles, Percentile), Empirical relation between Mean, Median and Mode- Merits and Demerits of Mean, Median and Mode. Exercises on Analysis and Interpretation of Measures of Central Tendency.

**Unit-II Measures of Dispersion:** Concept of Dispersion, Requirements of good measures of dispersion. - Absolute and Relative measures of dispersion. Range, Quartile Deviation (Q.D.) Mean Deviation (M.D.) Standard Deviation (S.D.) and Variance: Combined S.D. for two groups, Coefficient of Variation (C.V.): Definition and Its Uses -Merits and Demerits of Q.D., M.D. and S.D – Measures of Skewness – Karl Pearson and Bowley's coefficients of Skewness. Exercises on Analysis and Interpretation of Dispersion Measures.

**Unit-III Analysis of Bi-variate data:** Correlation-Concept and Types of correlation-Methods of studying correlation, Scatter Diagram, Karl Pearson's correlation coefficient, Spearman's rank correlation coefficient, Coefficient of Determination.

**Regression:** Concept of regression, Lines of regression, Regression Coefficients, Relation between correlation coefficient and regression coefficients. Exercises on Analysis and Interpretation of Correlation and Regression

**Unit-IV: Analysis of Time Series:** Definition and Uses of Time Series, Components of time series, Methods of determination of Trend and Seasonal Variations.

**Index Numbers:** Need and meaning of Index Numbers, Price, Quantity and Value based index numbers, - Simple and Weighted index numbers, Fisher's Ideal index numbers. Tests Of adequacy of index numbers. Exercises on Index Numbers.

**Unit V: Probability and Baye's theorem:** Probability Concepts: Experiment, Event, Mutually Exclusive, Collectively Exhaustive and Equally likely- Sample Space, Simple & Compound Events, Approaches to Probability Classical definition of Probability- Empirical approach, Subjective approach and Axiomatic Approach – Counting Rules: Permutations and combinations. Theorems of Probability – Addition, Multiplication, Conditional, Joint and Marginal Probability and Baye's Theorems of Probability. Exercises on probability.

**Course Exit Learning Outcomes:**

At the end of the course students should be able to:

*Understand the basics of statistics and its applications.*

*Summarize data sets using Descriptive statistics.*

*Analyse the relationship between two variables of various managerial situations .*

*Interpret Correlation and Regression*

*Understand applications of Time Series and Index Numbers*

*Analyse managerial decision problems using Probability*

**Suggested Readings:**

1. Gupta, S.C. *Fundamentals of Statistics*. Himalaya Publishing House.
2. Gupta S.P. and Archana Gupta. *Elementary Statistics*. Sultan Chand and Sons, New Delhi.
3. Mizrahi and John Sullivan. *Mathematics for Business and Social Sciences*. Wiley and Sons.
4. Richard Levin and David S. Rubin. *Statistics for Management*, Prentice Hall of India, New Delhi.
5. Sharma, J. K. *Business Statistics*. Pearson Education.
6. Spiegel, M.R. *Theory and Problems of Statistics*.
7. Thukral, J. K. *Mathematics for Business Studies*. Mayur Publications
8. Vohra, N. D. *Business Mathematics and Statistics*, McGraw Hill Education (India) Pvt Ltd
9. *Schaums' Outlines Series*. McGraw Hill Publishing Co.

**Note: Latest edition of text books may be used.**

### Semester IV

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Cost Accounting II	CMAMA2	5	100	60	15	75
Cost Audit Standards	CMAMA3	5	100	60	15	75
Course from Minor	MI-1	5	100			75
E -Auditing	SEC2	3	100	15	30	45
Internship	I-2	2				45
Total		20				

#### **PAPER BAacctgCMAMA2: COST ACCOUNTING II**

##### **Course Objectives:**

This course aims to

*Provide the students with knowledge and understanding of Marginal Costing and its application in decision making.*

*Equip the students with the understanding of Marginal costing, Standard Costing, Budgeting and Budgetary control techniques.*

*Provide the students with knowledge and understanding of Zero -base budgeting, Uniform costing and their applications.*

##### **Course Contents:**

**Unit I: Marginal Costing:** Marginal cost and marginal costing, Absorption costing and marginal costing, Break-even analysis, Cost volume Profit Analysis, Margin of Safety, Differential point, Application of marginal costing in decision making.

**Unit II: Standard Costing:** Concept of standard cost and Standard costing, Types of standards, Process of setting cost standards, Advantages and uses, Standard costing variance analysis, Process of variance analysis of material, labour, overheads and other variances, Variance analysis and decision making.

**Unit III: Budgeting and Budgetary Control:** Concept of budget, Principles of budgeting, Process of budgeting, Basis of budgeting, Methods of budgeting, Types of budgets in business organisations, Benefits and limitations; Budgetary control, Process of budgetary control, Control mechanism, Budget variances, Cost Variances and Budget Variances, Variance Analysis and decision making.

**Unit IV: Uniform Costing:** Uniform costing – Concept, Principles and Methodology, Inter firm comparison. Cost control and cost reduction.

**Unit V: Zero Base Budgeting and Responsibility Accounting:** Zero Base – Concept, Principles, Zero Base Budget – Concept and Basis of Zero - Base Budgeting. Responsibility Accounting – Meaning, Scop, process and methodology.

##### **Course Exit Learning Outcomes:**

Upon the completion of this qualification, the student should be able to demonstrate:

*Knowledge and understanding of Marginal Costing and its application in decision making.*

*Understanding of Marginal costing, Standard Costing, Budgeting and Budgetary control techniques.*

*Knowledge and understanding of Zero-base budgeting, Uniform costing and their*

applications.

**Suggested Readings:**

1. Arora M.N. Principles and Practices of Cost Accounting. Vikas Publishing House, New Delhi
2. Colin, Drury. Management and Cost Accounting. Cengage Learning India Pvt. Ltd, New Delhi.
3. Horngren, Foster and Datar, Cost Accounting - Managerial Emphasis. Prentice Hall of India Pvt. Ltd, New Delhi.
4. Jain, S. P. Narang, K. L. Simmi Agrawal. Advanced Cost and Management Accounting. Kalyani Publishers, New Delhi.
5. Prasad. N. K. Advanced Cost Accounting. Book syndicate Pvt. Ltd, Kolkata
6. Khan. M. Y. and Jain P.K. Advanced Cost Accounting. Tata McGraw Hill Publishing Co. Ltd. New Delhi.
7. Maheswari S. N. Cost and Management Accounting, Sultan Chand and Sons, New Delhi.
8. Thulsian. P. C. Practical Costing, Vikas Publishing House New Delhi.

**Note: Latest edition of text books may be used.**

**PAPER BAcctgCMAMA3: COST ACCOUNTING STANDARDS**

**Course Objectives:**

*Equip the students with the knowledge information on cost accounting standards in India.*

*Provide the students with the knowledge and information on Cost Accounting Standards Board and its working.*

*Provide the students with the knowledge of scope and content of cost Accounting Standards and Guidance Notes developed by the CASB and issued by the Indian Cost Accounting Institute.*

**Course Contents:**

**Unit I: Cost Accounting Standards:** Institute of Cost Accountants of India Cost Accounting Standards, Objectives, Basis of application, Content – Introduction, Scope, Definitions, Principles of measurement, Assignment of costs, Presentation and Disclosure. Cost Accounting Standards Board (CASB) – Constitution, Functions, Methodology and working.

**Unit II: Cost Accounting Standards (CAS):** CAS 1- Classification of costs; CAS 2 – Capacity determination, CAS 3 – Overheads, CAS 4 – Cost of production for captive consumption, CAS 5 – Average (Equivalent) Cost of Transportation, CAS 6 - Material cost, CAS 7 - Employee costs, CAS 8 – Cost of utilities.

**Unit III: Cost Accounting Standards (CAS):** CAS 9 – Packaging Material Cost, CAS 10 - Direct expenses cost, CAS 11 – Administrative overheads, CAS 12 – Repairs and maintenance, CAS 13 – Cost of service cost centre, CAS 14 – Pollution control cost, CAS 15 – Selling and distribution costs, CAS 16 – Depreciation and amortisation.

**Unit IV: Cost Accounting Standards (CAS):** CAS 17 – Interest and financing charges, CAS 18 – Research and Development costs, CAS 19 – Joint costs, CAS 20 – Royalty and Technical Knowhow costs, CAS 21 – Quality control costs, CAS 22 – Manufacturing costs, CAS 23 – Overburden removal costs, CAS 24 – Treatment of Revenue in Cost Statements.

**Unit V: Guidance notes:** Nine Guidance notes on cost accounting standards, Two Guidance notes on Treatment of costs relating to Cost of Social Responsibility (CSR) activities, and Maintenance of cost records for construction industry including Real Estate and Property Development activity.

**Course Exit Learning Outcomes:**

Upon the completion of this qualification, the student should be able to demonstrate:

*Knowledge and information on cost accounting standards in India.*  
*Knowledge and information on Cost Accounting Standards Board and its working.*  
*Knowledge of scope and contents of Cost Accounting Standards and Guidance Notes developed by the CASB and issued by the Indian Cost Accounting Institute.*

**Suggested Readings:**

1. Arora M.N. *Principles and Practices of Cost Accounting*. Vikas Publishing House, New Delhi
2. Colin, Drury. *Management and Cost Accounting*. Cengage Learning India Pvt. Ltd, New Delhi.
3. Horngren, Foster and Datar, *Cost Accounting - Managerial Emphasis*. Prentice Hall of India Pvt. Ltd, New Delhi.
4. Jain, S. P. Narang, K. L. Simmi Agrawal. *Advanced Cost and Management Accounting*. Kalyani Publishers, New Delhi.
5. Prasad. N. K. *Advanced Cost Accounting*. Book syndicate Pvt. Ltd, Kolkata
6. Khan. M. Y. and Jain P.K. *Advanced Cost Accounting*. Tata McGraw Hill Publishing Co. Ltd. New Delhi.
7. Maheswari S. N. *Cost and Management Accounting*, Sultan Chand and Sons, New Delhi.
8. Thulsian. P. C. *Practical Costing*, Vikas Publishing House New Delhi.

**Note: Latest edition of text books may be used.**

**3-YEAR BACHELOR OF ACCOUNTING DEGREE:**

**Pre-requisite:** A student after qualifying at I and II semesters on further qualifying at III and IV semesters' examinations securing 80 credits will be awarded Advanced Diploma in Accounting provided he secures additional 4 credit in skill based vocational courses offered during first year or second year summer term.

**Qualification awarded:** A student on qualifying at I, II, III, IV semesters and thereafter qualifying at V and VI Semesters' examinations securing 120 credits shall be awarded 3-year **Bachelor of Accounting Degree in the Major discipline.**

**Semester V**

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Cost Management	CMAMA4	5	100	60	15	75
Management Accounting	CMAMA5	5	100	60	15	75
Course from Minor	MI-2	5	100			75
Course from Minor	MI-3	5	100			75
Total		20	400			300

## **PAPER BAacctgCMAMA4: COST MANAGEMENT**

The Objective is to:

*Make the students to understand the internal environment of business.*

*Enable the students to formulate strategies relating to cost.*

### **Course Contents:**

**Unit I: Cost Strategy:** Influence of different classification of cost elements on business enterprise, Importance of analysing cost elements, cost control and cost reduction: meaning, process, methods and techniques of cost control and cost reduction, Cost management: areas of cost management, Cost Governance, Cost leadership strategy for sustainability, Sustainable cost management, Contemporary Cost Management Techniques (Concepts)- Benchmarking, Total Quality Management, Activity-based Costing and Management, Reengineering, Target Costing, Value Chain, Balanced Scorecard, Just-in Time System.

**Unit II: Life Cycle Costing:** Meaning of Life Cycle Costing, Factors affecting Life cycle costing, phases in product life cycle, characteristics, product life cycle and cost control. Experience curve in product life cycle costing. Project life cycle costing: Meaning, categories of project life cycle costs, optimization of project life cycle costs. Practical exercises and Case studies

**Unit III: Activity Based Costing System:** Introduction to traditional methods of overhead absorption, problems of overhead absorption system under Traditional System, introduction to ABC, Kaplan and Coopers approach to ABC, Cost drivers and cost activities, allocation of overheads under ABC, Characteristics of ABC, benefits from adaptation of ABC System, problems on comparison between traditional system and ABC system. Cost management. Practical exercises and Case studies

**Unit IV: Just in Time and Kaizen Costing:** JIT – features, methodology in implementation of JIT, Benefits of JIT. Kaizen Costing: concept, procedure for implementation, evaluation, benefits of Kaizen costing. Lean Cost Management: Meaning, definition, factors, applications, procedure to implementation, comparison with traditional management system, Modern production management techniques, benefits and drawbacks of Lean Cost Management. Practical exercises and Case studies

**Unit V: Strategic Cost and Performance Evaluation:** Integration of strategic cost management with performance evaluation, Strategic cost management issues in different elements of cost; material, labour and overheads; product design, value analysis and value engineering, strategic analysis of cost, benchmarking. Pricing strategies in decision making, Backflush accounting and through put costing, Cost management in specific sectors, Transfer pricing. Practical exercises and Case studies.

### **Course Exit Learning Outcomes:**

On successful completion of the course, the students will be able to:

*Understand the basics of Cost Accounting and Cost Management Techniques.*

*Analyse the different overhead techniques for reducing the cost of the product.*

*Understand the cost behaviour during different stages of life cycle.*

*Apply ABC, JIT and Kaizen Costing.*

*Evaluate the performance in the context of integration of strategic cost management.*

### **Suggested Readings:**

- 1.Arora M N. *A Text book of Cost & Management Accounting*. Vikas Publishing, New Delhi
- 2.Brown & Haward. *Principles of Management Accountancy*. Mac Donald & Evans, London



3. Cowe, Roger. *Hand Book of Management Accounting*. A Grower Handbook
4. Horngren Charles, T. Datar M. Srikant and Rajan V. Madhav. *Cost Accounting: A Managerial Emphasis*. Prentice Hall Publishers, Delhi
5. Lal Jawahar, Srivastava, Seema. *Cost Accounting*. Tata Mc Graw Hill, Delhi
6. Mukherjee, S. & Roy chowdhury, A.P. *Advanced Cost and Management Accountancy*. New Central Book Agency, Calcutta
7. Paul, S.K.R. *Management Accounting*. New Central Book Agency Private Ltd., Calcutta
8. Ravi. M. Kishore. *Cost Management*. Taxman Allied Services (p) Ltd.
9. Sharma & Gupta, Shashi. K. *Cost & Management Accounting*. Kalyani Publishers
10. Shank, John K. *Cases in Cost Management: A Strategic Emphasis*. South-Western Publishing, Thomson Learning.

**Note: Latest edition of text books may be used.**

## **PAPER BAacctgCMAMA5: MANAGEMENT ACCOUNTING**

### **Course Objectives:**

This course is designed to-

*Help the students understand the basic management accounting concepts, methods and techniques.*

*Provide the students knowledge about using the management accounting data for planning, control and decision making.*

*Help the students to understand management accounting as a tool of information system for taking day to day business decisions.*

### **Course Contents:**

**Unit-I: Introduction to Management Accounting and Financial Statement Analysis:** Need and Importance of Management Accounting-Limitations of Management Accounting – Functions of Management Accountant – Meaning of Financial Statements – Types of Financial Statements – Use and Importance of Financial Statements – Importance of Financial Statement Analysis – Comparative Statements Analysis, Common-Size Statements Analysis, Trend Analysis, Ratio Analysis.

**Unit-II: Cash Flow Analysis (Ind AS 7):** Classification of Cash Flow – Format of Cash Flow Statement (Ind AS 7) – Uses and Significance of Cash Flow Statement- Imitations of Cash Flow Statement – Methods of Calculating Cash Flows From Operating Activities, Investment activities and Financial activities.

**Unit-III: Marginal Costing and Decision Analysis:** Definition of Marginal Cost and Marginal Costing – Marginal Costing Vs. Variable costing – Marginal Costing vs. Absorption costing – Contribution – Marginal Cost Equation – Profit/Volume Ratio- Cost-Volume-Profit Analysis – Break-Even Analysis – Advantages and Limitations of Break-Even Chart – Margin of Safety – Managerial Applications of Marginal Costing -Advantages and Limitations of Marginal Costing

**Unit-IV: Budgetary Control and Standard Costing:** Meaning of Budget- Meaning and Objectives of Budgetary Control – Advantages and Limitations of Budgetary Control – Classification and Types of Budgets – Fixed and Flexible Budgets – Meaning of Standard Cost and Standard Costing – Advantages and Limitations of Standard Costing - Standard Costing

and Historical Costing - Steps Involved in Standard Costing - Variance Analysis: Material Variance - Labour Variance - Overhead Variance.

**Unit V: Valuation and Value Analysis:** Shareholder value analysis, comparison of accounting approaches and discounted cash flow approaches to valuation; Analysis of firm's profitability, growth, and value generation as a means of testing the quality of financial reports; Forecasting of earnings and cash flows; Analyses for financial strategy, planning, and valuation; Analysis of risk; and the determination of price/earnings and market-to-book ratios. Business strategy analysis, the company and its industry, Accounting analysis, Financial analysis,

**Prospective Analysis:** Forecasting; Factors affecting valuation; Valuation of business under special situations; Business valuation models, Cash flow valuation, Free cash flow valuation, Application of financial statement analysis, Credit Analysis and Distress Prediction.

**Course Exit Learning Outcomes:**

After completing the course, the student shall be able to:

*Understand the meaning of management accounting and emphasis on determining the financial strength and weakness of a firm through comparative statements, trend analysis and common size statements.*

*Grasp the meaning, uses, limitations and calculation of various ratios.*

*Understand the significance and procedure for preparing funds flow statement and cash flow statement.*

*Understand the concept of marginal cost and marginal costing. Learning of cost-volume-profit analysis and break-even analysis using mathematical and graphical approaches; and to develop a thorough understanding about the managerial applications of marginal costing.*

*Understand budgetary control system as a tool of managerial planning and control and the ability to prepare fixed and flexible budget. Ability to understand standard costing system as a tool of managerial control and to compute material, labour and overhead variances.*

**Suggested Readings:**

- 1.Arora, M. N. *Management Accounting*. Himalaya Publishing House, New Delhi
- 2.Banerjee, Bhabatosh. *Financial Policy and Management Accounting*. Prentice Hall of India.
- 3.Khan, M. Y., & Jain, P. K. *Management Accounting*. McGraw Hill.
- 4.Lal, Jawahar and Srivastava, Seema. *Cost Accounting*. McGraw Hill Publishing Co., New Delhi.
- 5.Maheshwari, S. N. *Principles of Management Accounting*. Sultan Chand and Sons
- 6.Pandey, I. M. *Management Accounting*. New Delhi.
- 7.Pillai, R S N and Bhagvathi, V. *Management Accounting*. S Chand & Company
- 8.Robert, S. Kaplan & Anthony, A. Atkinson. *Advanced Management Accounting*. Prentice-Hall
- 9.Rustagi, R.P. *Management Accounting*: Galgotia
- 10.Sharma, R. K. & Gupta, Shashi K. *Management Accounting Principles & Practice*: Kalyani Publishers.
- 11.Singh, Surender. *Management Accounting*. PHI Learning Pvt Limited, Delhi.

**Note: Latest edition of text books may be used.**

## Semester VI

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Strategic Management Cost	CMAMA6	5	100	60	15	75
Advanced Cost and Management Accounting	CMAMA7	5	100	60	15	75
Course from Minor	MI-4	5	100			75
E-Tax Compliance	SEC3	3	100	15	30	45
Internship	1-3	2				45
Total		20	400			300

### **PAPER BAacctgCMAMA6: STRATEGIC COST MANAGEMENT**

#### **Course Objectives**

*To provide the students with knowledge and understanding of cost control measures and cost management in an enterprise.*

*To equip the students for using the cost techniques in decision making.*

*To give the students understanding of profit planning using cost techniques*

*To provide the students with understanding of the activity based costing and total quality management.*

#### **Course contents:**

**Unit I: Cost Management** - Developments in Cost Management; Life Cycle costing; Target costing; Kaizen Costing; Value Analysis and Value Engineering; Throughput Costing; Business Process Re-engineering; Back-flush Accounting; Lean Accounting; Socio Economic Costing.

**Cost Control and Cost Reduction:** Basics, Process, Methods and Techniques of Cost Reduction programme.

Profitability Analysis – Product wise / Segment Wise / Customer wise

**Unit II: Decision Making Techniques** - Marginal Costing- Differential costing-CVP Analysis – Profit Volume Graphs – Contribution Approach

Decisions involving alternative choices – Optimum utilization of resources – Make or Buy – Evaluation of Orders – Multiple scarce resource problems- Product sales pricing, etc

Pricing Decisions and Strategies – New Product Pricing, Use of Cost in Pricing, Sensitivity Analysis in Pricing Decisions; Monopoly Pricing vs. Competitive Pricing; Bottom Line Pricing Costing of Service Sector – methods, pricing, performance measurement

Transfer Pricing - Objectives, Methods (Cost Based, Market Price Based, Negotiated Pricing), Advantages and Disadvantages, Criteria for setting Transfer Prices, Transfer Price in different situations, Situations causing Conflicts and resolving the Conflicts;

Relevant Cost Analysis: Relevant Cost, Irrelevant Costs - Sunk or Historical Cost, Committed Cost, Absorbed Cost, Situations where Fixed Costs become relevant for decision – making and its related implications

**UNIT III. Standard Costing and Profit Planning:** Variance Analysis - Investigation of Variances, Planning and Operating Variances, Controllable/ Non-controllable Variances,

Relevant Cost Approach to Variance Analysis; Variance analysis under marginal costing and absorption costing; Activity Ratios; Application of budgetary control and Standard Costing in Profit planning, Standard Costing Vs Budgetary Control, Reconciliation of Actual Profit with Standard Profit and /or Budgeted Profit.

(b) Uniform Costing and Inter-firm comparison.

**UNIT IV Activity Based Cost Management:** Concept, purpose, benefits, stages, relevance in decision making and its application in Budgeting, Responsibility accounting, Traditional Vs. ABC System – comparative analysis; JIT – introduction, Benefits, Use of JIT in measuring the Performance; ERP and its applications in strategic cost management; Bench Marking

**UNIT V: Cost of Quality and Total Quality Management TQM - Basics, Stages, Principles, Control, Corrective actions. PRAISE-Steps, Problems, implementation. PARETO Analysis. Quality Costs**

### **Course Exit Learning Outcomes**

On successful completion of the course the student shall demonstrate:

*Knowledge and understanding of cost control measures and cost management in an enterprise.*

*Capability for using the cost techniques in decision making.*

*Understanding of using cost techniques for profit planning*

*Understanding of activity based costing and total quality management.*

### **Suggested readings:**

1. Arora M.N. Principles and Practices of Cost Accounting. Vikas Publishing House, New Delhi
2. Colin, Drury. Management and Cost Accounting. Cengage Learning India Pvt. Ltd, New Delhi.
3. Horngren, Foster and Datar, Cost Accounting - Managerial Emphasis. Prentice Hall of India Pvt. Ltd, New Delhi.
4. Jain, S. P. Narang, K. L. Simmi Agrawal. Advanced Cost and Management Accounting. Kalyani Publishers, New Delhi.
5. Prasad. N. K. Advanced Cost Accounting. Book syndicate Pvt. Ltd, Kolkata
6. Khan. M. Y. and Jain P.K. Advanced Cost Accounting. Tata McGraw Hill Publishing Co. Ltd. New Delhi.
7. Maheswari S. N. Cost and Management Accounting, Sultan Chand and Sons, New Delhi.
8. Thulsian. P. C. Practical Costing, Vikas Publishing House New Delhi.

**Note: Latest edition of text books may be used.**

## **PAPER BAacctgCMAMA7: ADVANCED COST AND MANAGEMENT ACCOUNTING**

### **Course Objectives**

*To comprehend and familiarize the established techniques, methods and practices in advanced Cost and Management Accounting to the students.*

*To introduce the evolving dynamic Cost and Management Techniques developed to support the emerging business models.*

### **Course Contents**

**Unit I: Activity Based Costing:** Need for emergence of Activity Based Costing (ABC), Concept of ABC, Methodology of developing the ABC system, Allocation of overheads under ABC, Implementation of ABC, Support of ABC system towards corporate strategy, Practical Problems based on basic concepts.

**Total Quality Management:** Quality as a corporate strategy, TQM and role of Management Accountant, Classification of Quality Costs, Practical Problems based on basic concepts.

**Unit II: Target Costing:** Origin, definition, steps towards target costing, Target costing process, features and Advantages, Practical Problems based on basic concepts.

**Life Cycle Costing:** Life Cycle Costing (LCC), stages of product life cycle, benefits of product life cycle costing, Life Cycle Costing process- Costing for different stages, Practical Problems based on basic concepts.

**Unit III: Economic Value Added:** Concept, Need and significance, Return on Capital base, Residual Income, Divisional

Performance measurement, merits over traditional performance measures.

**Unit IV: Transfer Pricing Applications:** Concept, Divisional performance, Alternative Transfer pricing methods-Market based Transfer pricing, Marginal cost Transfer pricing, Full cost Transfer pricing, Cost plus markup Transfer pricing, Negotiable Transfer pricing, Marginal cost and Opportunity cost Transfer pricing, International Transfer pricing.

**Unit V: Evolving Cost and Management Practices**

**Course Exit Learning Outcomes**

On successful completion of the course the student shall demonstrate:

*Familiarity with the established techniques, methods and practices in advanced Cost and Management Accounting to the students*

*Understanding of the evolving dynamic Cost and Management Techniques developed to support the emerging business models.*

**Suggested Readings**

1. Arora M.N. Principles and Practices of Cost Accounting. Vikas Publishing House, New Delhi
2. Colin, Drury. Management and Cost Accounting. Cengage Learning India Pvt. Ltd, New Delhi.
3. Horngren, Foster and Datar, Cost Accounting - Managerial Emphasis. Prentice Hall of India Pvt. Ltd, New Delhi.
4. Jain, S. P. Narang, K. L. Simmi Agrawal. Advanced Cost and Management Accounting. Kalyani Publishers, New Delhi.
5. Prasad. N. K. Advanced Cost Accounting. Book syndicate Pvt. Ltd, Kolkata
6. Khan. M. Y. and Jain P.K. Advanced Cost Accounting. Tata McGraw Hill Publishing Co. Ltd. New Delhi.
7. Maheswari S. N. Cost and Management Accounting, Sultan Chand and Sons, New Delhi.
8. Thulsian. P. C. Practical Costing, Vikas Publishing House New Delhi.

**Note: Latest edition of text books may be used.**

#### **4-YEAR BACHELOR OF ACCOUNTING HONOURS DEGREE**

**Pre-requisite:** A student after qualifying at I and II semesters and at III and IV semesters' on further qualifying at V and VI semester examinations securing 80 credits will be eligible for admission to **4-year UG Honours Degree** in Accounting provided he secures additional 4 credit in skill based vocational courses offered during first year or second year summer term.

**Qualification awarded:** A student on further qualifying at VII and VIII semesters' examinations provided he secures 160 credits shall be awarded 4-Year Bachelor of Accounting Honours in the major discipline.

## Semester VII

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Enterprise Risk Management	CMAMA8	5	100	60	15	75
Strategic Performance Management	CMAMA9	5	100	60	15	75
Course from Minor	MI-5	5	100			75
Course from Minor	MI-6	5	100			75
Total		20	400			300

### PAPER BAacctgCMAMA8: ENTERPRISE RISK MANAGEMENT

#### Course Objectives:

This course aims to:

*Provide the students with integrated knowledge of risk management and critical understanding and application of relevant risk management frameworks, methods and techniques relevant to the field of risk management;*

*Advance the ability and skill of the students for effectively apply risk management methods and techniques with a view to manage risk within an organisation;*

*Provide understanding to the students of techniques for critical analysis of alternative approaches to managing the risk within an organisation and the ability to offer value-driven and logical arguments for judgements;*

*Develop the ability and skill of the students to identify, demarcate, analyse, and effectively address complex issues related to risk management within an organisation and apply the same in practice.*

#### Course contents:

**Unit 1: Introduction:** Concept of risk, Difference between risk and uncertainty, Types of risks – Market risk, Credit risk, Liquidity risk, Interest rate risk, Operational risk, Off Balance Sheet risk, Foreign Exchange risk, Sovereign risk, Insolvency risk; Concept of Enterprise Risk Management (ERM); Risk management – Approaches to risk Management; Risk Management strategies; Risk Exposure - Meaning, Determination of risk exposure – Macro approach, Micro approach; Risk Assessment - Meaning, Measures for risk assessment - Evaluation of internal control procedures; Techniques used - Questionnaires, Flowcharts; Internal audit and External audit, coordination between the two audits; Risk management - Meaning, Measures for risk management.

**Unit II: Market Risk Management:** Market risk, Types of market risk, Calculation of Market risk exposures; Market risk and Norms; Value-at-Risk (VaR) Methodology – Factors affecting

VaR, Statistical Issues in VaR computation; Foreign Exchange risk exposure — Sources of Foreign exchange exposure risk, Foreign Asset and Liability Positions, Interaction of Interest Rate, Inflation and Exchange Rates, Hedging Market risk; Dynamic Hedging Strategies.

**Unit III: Treasury Risk Management:** Role of treasury function; Types of treasury risks – Interest rate risk, Commodity price risk, Foreign exchange risk; Interest Rate Risk Management - Analysis of Interest Rate Risk, Concepts of Term Structure of Interest Rates and Yield Curve, Inseparability of Interest Rate Risk and Credit Risk, Interest Rate Risk Safety Zone; Measuring Interest Rate Risk – Gap Analysis; Asset – Liability Repricing and Repricing risk, Duration and Convexity; Simulation Models – Interest Rate Risk Measurement; Interest Rate Risk Immunization, Yield Curve Smoothing, Interest Rate Derivatives. Use of financial derivatives to hedge interest rate risk; Foreign Exchange Exposure and Risk - Exchange rate determination, Exchange rate forecasting; Foreign currency market operations; Hedging currency risk - Foreign exchange derivatives – Forwards, Futures, Options and Swaps contracts; Management of transaction, translation and economic exposures; Foreign Exchange Risk Management - Introduction, Need, Objectives of Risk Management, Techniques of Risk Management, Accounting Treatment of Financial Derivatives; Hedge Accounting: Cash flow hedge and Fair value hedge

**Unit III: Management of Operational and Off-Balance Sheet Risks:** Off Balance Sheet Risk Exposures – Loan Commitments, Commercial Letters of Credit and Letters of Undertaking, Derivatives, Bank Guarantees and Deposit Insurance; Nature of Off-Balance Sheet Risks; Operational Risks - Sources of Operational Risk, Measurement of Operational Risk, Operational Risk and Norms, Mitigating Operational Risk; Sovereign Risk - Sovereign Risk Events, Debt Repudiation versus Debt Rescheduling, Evaluation of Sovereign Risk, Mechanisms for dealing with Sovereign Risk Exposures, Debt for Equity Swaps.

**Unit IV: Management of Cyber Risk:** Cyber Crimes - Introduction, Computer crime and cybercrimes; Distinction between cybercrime and conventional crimes; Kinds of cybercrimes - cyber stalking, cyber terrorism, Forgery and fraud, Crimes related to IPRs, Computer vandalism; Cyber forensic - Definitions under IT Act, 2000 Contemporary Business Issues in Cyber Space; Management of risk in - Internet, Web Centric Business, E Business, Electronic Governance, Instant messaging platforms, Social networking sites and mobile applications, Security risks, Cyber jurisdiction, Domain name dispute and their resolution, E-forms; E-Money, Regulations of Pre-Payment Instruments (PPI), Electronic Money Transfer, Privacy of Data and Secure Ways of Operation in Cyber Space.

**Cyber Laws:** Need for cyber laws, International scenario of cyber laws; Law relating to cyber-crimes, hacking, web vandals, cyber fraud and cheating, e-mail spamming, cyber pornography, inappropriate web linking practices, international libel laws and liability of ISPs cyber squatter, domain name disputes, copy right protection in cyber world, software piracy, software patents, taxation issues in e-commerce; Protection to cyber consumer in India; the Information Technology Act 2000, Objectives, Salient features, Definitions, Provisions regarding Digital signature, Authentication of electronic records. Electronic governance, Attribution, Acknowledgment and dispatch of electronic records, Secure electronic records and Secure digital signatures, Regulation of certifying authorities, Digital signature certificates, Duties of subscribers, Penalties and adjudication, Appellate tribunal, offences.

**Unit V: Risk Management in Banks:** Nature of risk - Credit risk, Liquidity risk, Interest rate risk, Market risk, Off balance sheet risk, Currency risk, Operational risk. Risk measurement and risk management; Credit Risk Management - Credit risk exposures, Types of credit risk, Credit events, Credit quality Problems and Credit rating; Credit Risk Measurement Models – Merton’s Model; Credit Risk Measurement and Basel Norms; Managing Credit Risk - Credit Derivatives and Securitization; Asset Liability Management - Concept, Role of Asset Liability Management in managing Interest rate risk and Liquidity risk, the RBI guidelines; Liquidity Risk Management - Liability-side and Asset-side Liquidity Risk, Types of Liquidity Risk, Risk events, Inter-linkage between Liquidity Risk and Credit Risk, Measuring Liquidity Risk, Managing Liquidity Risk – Choice of Liability Structure and Arrangement of Line of Credit.

**Risk Management in Insurance:** Legal aspects of insurance contract, Loss assessment and Loss control, Control of malpractices and Mis-selling, Exclusion of perils, Actuaries, Computation of insurance premium, Risk in claim investigation system and Claim settlement system.

#### **Course Exit Learning Outcomes:**

Upon the completion of this course, the student should be able to demonstrate:

*Integrated knowledge of and engagement in risk management and critical understanding and application of relevant risk management frameworks, methods and techniques relevant to the field of risk management.*

*Advance ability to effectively apply risk management methods and techniques with a view to manage risk within an organisation.*

*Critical analysis of alternative approaches to managing the risks within an organisation and the ability to offer value-driven and logical arguments for judgement.*

*Ability to identify, demarcate, analyse, and effectively address complex issues related to risk management within an organisation and apply the same in practice.*

*Critical understanding of risk management strategies of an organisation, including the use of general strategies of risk identification and management in order to establish and monitor appropriate systems of internal control.*

#### **Suggested Readings:**

1. Ahmad, F. *Cyber Law in India*. Pioneer Books, and New Era Law Publication
2. Bakshi and Suri. *Cyber and E- commerce Law*. Bharat Publishing House, New Delhi.
3. George, E, Rejda. *Principles of Risk Management and Insurance*. Pearson Education
4. Greenstein & Feinman. *Electronic Commerce- Security, Risk Management and Control*. Tata McGraw Hill.
5. Gupta. P.K. *Insurance and Risk Management*. Himalaya Publishing House



6. Joseph, P. *E-commerce*. Prentice Hall India.
7. Khan, M. Y. *Financial Services*. Mc Graw Hill Education.
8. National Insurance Academy. *General Insurance Business Operations and Decision Making*. Cengage Learning.
9. Murthy, C.S.V. *E-commerce*. Himalaya Publishing House
10. Pathak, Bharati. *Indian Financial System*. Pearson Education.

## **PAPER BAacctgCMAMA9: STRATEGIC PERFORMANCE MANAGEMENT**

### **Course Objectives:**

This course aims to:

*Develop knowledge and skill of the students in the application of management accounting techniques to quantitative and qualitative information for planning, decision-making, performance evaluation, and control in business set up.*

*Analyse the performance of a business and its management by applying relevant knowledge, skill and professional judgement in selecting and applying strategic management accounting techniques in different business contexts to contribute to the planning, control and evaluation of the performance of an organisation and contribute to its strategic and operational development.*

### **Course Contents:**

**Unit I: Strategic Performance Management:** Concept, Importance, Objectives, Principles of performance management – Planning, Organising, Staffing, Leading, Controlling; Key elements – Expectation setting, Planning, Development and improvements, Monitoring Periodic rating, Reward and compensation; Process of performance management – Planning, monitoring, reviewing, rewarding; Integrated strategic performance management measures – Financial, Customers, Business process, Linkage to suppliers and customers, Long term innovations; Alternative views on performance measurement and management.

**Unit II: Strategic Performance Planning:** Performance management strategy - Define organisational goals and objectives, Plan performance, Measure performance, offer feedback frequently, Peer review, Pre-emptive management, Discuss and review outcomes, Recognition and reward;

**Information Systems for Strategic Performance Management:** Performance management information systems - Sources of management information; Recording and processing systems and technologies, Data analytics, Management reports; Information flow and its consolidation in multi-locational setting.

**Control Systems for Strategic Performance Management:** Control system and its applications; Responsibility Accounting-Meaning and Methodology, Types of Responsibility centres, Organizational structure of responsibility centres; Objectives, Pricing corporate

services, Divisional performance and transfer pricing issues; Administration of transfer pricing; Strategic management accounting; Impact of external factors on performance management; Performance hierarchy; Business structure and management accounting; Other related environmental and ethical issues.

**Unit III: Strategic Performance Measurement:** Strategic performance measures in private sector organisations; Measurement of quality of performance; Performance measurement and strategic human resource management; Behavioural aspects of performance measurement; Strategic performance measures in not for- profit organisations; Non-financial performance indicator; Impact of risk and uncertainty on performance management.

Strategic performance management in process-oriented organisations – Establishment of Vision, Mission, Strategy, Assessment of process performance, Priorities in process improvement, Evaluation and management of improvements in performance.

**Unit IV: Corporate Performance Management:** Need, Importance; Historical Overview; Product costing in price estimates and profit management; Techniques to measure and enhance profitability and quality of products and services; Activity Based Management, Target costing, Kaizen costing; Benchmarking and environmental costing; Flexible Budgeting, Activity- based Budgeting. Setting of performance goals and incentives, Use of diagnostic tools and control systems to achieve goals; Case studies/Exercises.

**Strategic Profitability Analysis:** Measuring performance using Economic Value Added (EVA) methodology; Comparison between Returns on Investment (ROI) and EVA methodology measures of performance; Measurement of Corporate Performance through Balanced Score Card and its value creation potential; Rationality behind Balanced Score Card; Performance dimensions of Balanced Score Card; Throughput Accounting; Activity Based Costing (ABC), Activity Based Management (ABM), Strategic Cost Management System (SCMS), Quality Management System (QMS), Business Process Re-engineering (BPR); Case studies/Exercises.

**Unit V: Strategic Performance Issues in Complex Business Structures:** Linkage and alignment of strategies to organisational goals, Continuous performance measurement to remain competitive at all times; Individual performance, Group performance, Organisation performance, Team appraisal, Role clarity, Predicting and preventing corporate failure; Case studies/Exercises.

#### **Course Exit Learning Outcomes:**

On successful completion of this course, the students shall be able to demonstrate:

*Use strategic planning and control models to plan and monitor organisational performance*

*Assess the impact of risk and uncertainty on organisational performance.*

*Identify and evaluate the design features of effective performance management information and monitoring systems and recognise the impact of developments in technology on performance measurement and management systems.*

*Apply appropriate strategic performance measurement techniques in evaluating and improving organisational performance*

*Advise clients and senior management on strategic business performance evaluation and on recognising vulnerability to corporate failure.*

**Suggested Readings:**

1. Adler, Ralph W. *Strategic Performance Management – Accounting for Organisational Control*. Taylor & Francis Group.
2. Bhaskar, Preeti. *Performance Management and Strategic Planning*. Symbiosis Centre for Management Studies, Noida
3. Gupta, Nikhil. *Strategic Performance Management and Business Valuation*. CMA
4. Jablonski, Marek. *Strategic Performance Management – New Concepts and Contemporary Trends*. Nova Publishers.
5. Kenny, Ralph W. *Strategic Planning and Performance Management*. Kobo Publishers.
6. Marr, Bernard. *Strategic Performance Management*. Nova Publishers.
7. Waal, Andrede. *Strategic Performance Management – A Managerial and Behavioural Approach*.

**Note: Latest edition of text books may be used.**

**Semester VIII**

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Operations Planning and Strategic Control	CMAMA10	5	100	60	15	75
Planning, Budgeting and Valuation	CMAMA11	5	100	60	15	75
	MI7	5	100			75
	MI8	5	100			75
Total		20	400			300

**PAPER BAacctgCMAMA10: OPERATIONS PLANNING AND STRATEGIC CONTROL**

**Course Objectives:**

The objectives of the course are to:

- Provide understanding of the business process and analysis of the operations
- Develop knowledge of production planning and resource management

Provide understanding of concept of SWOT and Portfolio Analysis and the concept of Corporate Vision, Mission and Objectives  
Develop understanding of the concept of Strategic Business Unit and Business Process re-engineering and different stages in strategy formulation process

### **Course Contents**

**Unit I: 1. Operations:** Introduction, Scope characteristics of modern operations functions - recent trends in production / operations management.

**Operations Planning** - Demand forecasting – capacity planning - capacity requirement planning - facility location - facility layout – Resource aggregate planning – Material requirements planning – Manufacturing resource planning – Economic Batch quantity.

**Unit II: Operations Designing:** Product Design, Process design - Selection - Product Life Cycle – Process Planning – Process Selection.

**Unit III: Production Planning and Control:** Introduction – Control Measures – Time study, Work study, Method study, Job Evaluation, Job Allocation (Assignment Technique), Scheduling Queuing Models, Simulation and Line Balancing – Optimum Allocation of resources – Lean Operations – JIT – Transportation Model and Linear Programming Technique (Formulation of equations only)

**Unit IV: Productivity and Quality Management:** Measurement techniques of productivity index, productivity of employee, productivity of materials, productivity of management resources, productivity of other factors – productivity improving methods – TQM basic tools and certification – ISO standards basics. Economics of Maintenance and Spares management - Break down Maintenance – Preventive Maintenance – Routine Maintenance – Replacement of Machine – Spare Parts Management.

**Unit V: Strategic Control:** Introduction: Vision- Mission and objective. Strategic Analysis and Strategic Planning -Situational Analysis –SWOT Analysis – Portfolio Analysis – BCG Matrices – Stages in Strategic Planning – Alternatives in Strategic Planning. Formulation and Implementation of Strategy - Strategy formulation function wise (Production Strategy, Marketing Strategy, Man Power Strategy) – Structuring of Organisation for implementation of strategy – Strategic Business Unit – Business Process re-engineering and Control.

### **Course Exit Learning Outcomes**

Upon the completion of this qualification, the student should be able to demonstrate:

*Understanding of the business process and analysis of operations.*

*Knowledge of production planning and resource management.*

*Understanding and knowledge of the concept of Corporate Vision, Mission and Objectives.*

*Understanding of the concept of SWOT and Portfolio Analysis*

*Understand the concept of Strategic Business Unit and Business Process re-engineering different stages in strategy formulation process.*

### **Suggested Readings**

1.Arora M.N. *Principles and Practices of Cost Accounting*. Vikas Publishing House, New Delhi

2. Colin, Drury. *Management and Cost Accounting*. Cengage Learning India Pvt. Ltd, New Delhi.
3. Horngren, Foster and Datar, *Cost Accounting - Managerial Emphasis*. Prentice Hall of India Pvt. Ltd, New Delhi.
4. Jain, S. P. Narang, K. L. Simmi Agrawal. *Advanced Cost and Management Accounting*. Kalyani Publishers, New Delhi.
5. Prasad. N. K. *Advanced Cost Accounting*. Book syndicate Pvt. Ltd, Kolkata
6. Khan. M. Y. and Jain P.K. *Advanced Cost Accounting*. Tata McGraw Hill Publishing Co. Ltd. New Delhi.
7. Maheswari S. N. *Cost and Management Accounting*, Sultan Chand and Sons, New Delhi.
8. Thulsian. P. C. *Practical Costing*, Vikas Publishing House New Delhi.

**Note: Latest edition of text books may be used.**

## **PAPER BAacctgCMAMA11: PLANNING, BUDGETING AND VALUATION**

### **Course Objectives:**

The course aims to:

*Enable the students to understand the premise of financial planning and identify the financial goals of investment in contemporary environment.*

*Help the students to build financial plans and budgets and instal budgetary control mechanisms for business projects systematically.*

*Enable critical thinking in students with respect to analysis and application of innovative solutions to varied financial problems.*

### **Course Contents:**

**Unit 1: Plan and Planning:** Planning – Concept, Characteristic features, Pre-requisites, Types – Operational planning, Strategic planning, technical planning, Contingency planning; Ethical issues in strategic planning.

**Unit II: Financial Planning:** Basic concepts in financial planning, Sources of finance, financial institutions – Role and functions, Process of financial planning – Defining financial objects and goals, collection of information, Analysis of current situation and needs, Identification of sources of funds, Use of Forecasted Financial statements – Statement of Profit and loss, Statement of Retained Earnings, Balance Sheet and Cash flow Statement; Limitations of financial planning.

**Financial Plan:** Concept, Components of financial plan – Budgeting, managing liquidity, Managing risk, Managing control, Development of Financial plan, Implementation and Review; Building financial plans using spreadsheets; Evaluation of financial plan; Case studies and practical Exercises of Indian companies.

**Unit III: Project Planning:** Meaning, Essentials, Aspects covered, Process of project planning - Feasibility study - Cash flow projections, Impact assessment of taxation, depreciation, inflation, etc; Capital Budgeting Decisions - Certainty Equivalent approach, Evaluation of Risky Investment Proposals; Risk and Return analysis, Simulation and decision tree analysis, Sensitivity analysis; Capital Rationing, Adjusted Net Present Value, Replacement decisions, Application of Real alternatives in capital budgeting, Impact of inflation on capital budgeting decisions; Risk analysis in Capital Budgeting; Precautions in project planning.

**Project Plan:** Elements of project plan – Quality, Time, Cost and Resources; Time planning for projects – Techniques used, Resource planning for projects – Techniques used; Work

planning for projects – Techniques used; Preparation of Project Report; Social Cost Benefit Analysis of projects; Case studies and practical Exercises of Indian companies.

**Unit IV: Budgeting and Budgetary Control:** Budget - Concept, Objectives of budgeting, Fixed and Flexible Budgets; Preparation of Functional Budget for Operating and Non-Operating Functions; Cash Budget; Capital Expenditure Budget; Master Budget; Principal Budget Factors, Budget Manual.

**Budgeting:** Concept, Budgeting Procedure; Preparation and Monitoring of budgets.

**Budgetary Control:** Analysis of Budget Variances; Budget review and revision; Reallocation of funds. Case studies and practical Exercises of Indian companies.

**Unit V: Valuation:** Value – Meaning, Measures of value, Types – Historical value, Present Value, Market Value, Fair value, Economic value, Comparative value, Value in use; Factors affecting value; Value Based Management (VBM).

**Valuation:** Concept, Valuation of Tangible Fixed Assets; Valuation of Intangibles including the Valuation of brand, Valuation of goodwill; Valuation of liabilities; Valuation of Shares, Bonds and other financial instruments; Valuation of Business; Business valuation models, Cash flow valuation, Discounted Cash flow valuation, Comparison of accounting approaches and discounted cash flow approaches to valuation; Free cash flow valuation, Use of financial statement analysis in valuation.

**Analysis of the firm's profitability:** Growth, and value generation as a means of testing the quality of financial reports; Forecasting of earnings and cash flows; Analyses for financial strategy and planning; Analysis of risk; Determination of price/earnings and market-to-book ratios, Shareholder Value Analysis, Analysis for Economic Value Added.

**Course Exit Learning Outcomes:**

After studying this course, the student will be able to:

*Understand financial planning, budgeting and budgetary control and identify the financial Goals of a business enterprise.*

*Critically evaluate the investment projects suitable for different financial goals in different time spans.*

*Understand and undertake financial planning for projects in business and service-oriented enterprises.*

*Demonstrate the ability to develop creative responses with regards to the responsible financial management of a company and its assets by critically reviewing the information, evaluating the processes and effectively using the financial tools and techniques within the boundaries of the strategic goals and objectives of the company.*

**Suggested Readings:**

1. Alexander, J. *Financial Planning & Analysis and Performance Management*. Jhon Wiley & Sons Publication
2. Buffet, Marry and Clark, David. Warren Buffett. *Interpretation of Financial Statements*.
3. Fisher, A. Philip. *Common Stocks and Uncommon Profits*. Wiley.
4. Keown, A. J. *Personal Finance – Turning Money into Wealth*. Pearson Publication,
5. Khursheed, Arif. *Initial Public Offerings: The Mechanics and Performance of IPOs*. Harriman House Publishing.
6. Lee, A.C., Lee, J.C., & Lee, C.F. *Financial Analysis, Planning & Forecasting: Theory and Application*. World Scientific Publishing Company
7. Madura, Jeff. *Personal Finance*. Pearson Education.

8. Soota, Ashok and Gopalan, S. R. *Entrepreneurship Simplified: From Idea to IPO*. Penguin Random House India.
9. Spier, Guy. *The Education of Value Investor*. Palgrave.

**Note: Latest edition of text books may be used.**

#### **4-YEAR BACHELOR OF ACCOUNTING HONOURS WITH RESEARCH DEGREE**

**Pre-requisite:** Students who secure 75% marks and above in the first six semesters and wish to undertake research at the undergraduate level can choose a research stream in the fourth year.

**Qualification awarded:** The students who secure 160 credits, including 12 credits from a research project/dissertation, are awarded 4-Year Bachelor of Accounting Honours with Research in Major Discipline. The students should undertake and complete a research project or dissertation under the guidance of a faculty member of the University/College. The research project/dissertation will be in the major discipline.

#### **Semester VII**

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Enterprise Risk Management	CMAMA8 *	5	100	60	15	75
Strategic Performance Management	CMAMA9 *	5	100	60	15	75
Course from Minor	MI-5	5	100			75
Course from Minor	MI-6	5	100			75
Total		20	400			300

**Note: Detailed course content of CMAMA8: Enterprise Risk Management and CMAMA9: Strategic Performance Management are given on pages 105 and 108 respectively.**

#### **Semester VIII**

Subjects	Course	No. of Credits	Max Marks	Lecture Hours	Practical Hours	Total Hours
Business Research Methods	RM1	5	100	60	15	75
Statistical Analysis of Research Data using Software (Excel, SPSS, etc.)	RM2	5	100	60	15	75
Dissertation	RM3	12	200			180

Total		22				330
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## **PAPER BAacctgRM1: BUSINESS RESEARCH METHODS**

### **Course Objectives:**

The objectives of the course are to:

*Provide understanding of concepts, tools and techniques of carrying out business research.*

*Expose students with the methods and process of data analysis for scientific research.*

### **Course Contents:**

**Unit I: Research:** Meaning, Characteristics, Objectives, Motivation in Research, Types, Methods, Significance, Process, Approaches, Criteria of Good Research. Concept of Theory, Empiricism, Deductive and Inductive Theory. Research Standards, Research Ethics, Code of Ethics for Researchers.

**Research Problem:** Selection of Problem of Research, Research Problems in Social Sciences, Components and Sources of Research Problem, Defining Research Problem, Evaluation of Research Problem.

**Measurement and Scaling:** Scales of Measurement, Types of Data Measurement Scales, Techniques of Data Scaling, Goodness of Measurement Scales, Deciding the Scale; Development of Research Instruments – Questionnaires and Schedules, Testing the Research Instruments; Reliability and Validity Tests, Testing the Reliability using Cronbach's Alpha.

**Sampling:** Introduction to Sampling: Concepts of Population, Sample, Sampling Frame, Sampling Error, Sample Size, Characteristics of a good sample, Types of Sampling - Probability and Non-Probability, Determining Size of the Sample, Sample v/s Census Method of Data Collection.

**Unit II: Review of Literature:** Need, Purpose and Making Notes on Literature Reviewed, Research Gap Identification. Sources of Research Papers and other published works, Search engines and use of keywords, Systematic Review, Methods of Review of Literature. Use of software for Review of Literature.

**Unit III: Research Design:** Meaning, Need & Importance, Features of Good Research Design, Types of Research Design – Concept, Pros & Cons. Qualitative, Quantitative and Mixed Research Designs, Types of Sampling Design, Variables in Research: Introduction, Meaning, Types.

**Collection of Data:** Primary and Secondary data; Collection of Primary Data: Methods of Data Collection - Field Survey, Observations, Experimentation; Identification and Selection of Respondents, Serving the Instruments and Collection of Instruments; Secondary data: Sources, Identification and Selection of Source; Databases as Source of Secondary Data.

**Data Processing:** Field work validation, Editing, Coding, Classification and Tabulation of data.

### **Unit IV: Data Analysis:**

**Univariate Data Analysis Techniques:** Descriptive Statistical Measures; Use of Charts and Graphs.

**Bivariate Data Analysis Techniques:** Descriptive Statistics, Simple Correlation, Simple Regression, Linear Regression, Panel Data Regression - Pooled Regression, Fixed Effect and Random Effect Models, Logistic Regression, Ordinal Regression, Probit,

Concepts of adjusted R-square, Autocorrelation, Serial Correlation, Multicollinearity, Heteroscedasticity (for time series regression), Stationarity.



**Multivariate Analysis Techniques:** Factor Analysis, Exploratory Factor Analysis, Confirmatory Factor Analysis, Reliability Test, Structural Equation Modelling, Discriminant Analysis, Cluster Analysis (Two-step, K-means, Hierarchical), Conjoint Analysis, Artificial Neural Networks; Event Study Methodology.

Content Analysis: Content, Process of Content Analysis, Word count etc.

**Unit V: Testing of Hypotheses:** Concept, Meaning, Types; Steps in Testing the Hypothesis, Error in Hypothesis Testing - Type I and Type II Errors, P – Value Approach.

**Testing Significance of Results - Parametric Tests:** Choosing between the two, Level of Significance, One sample z test, Two samples z test, One sample t test, Two samples t test, Paired sample t test,

**Non-Parametric Tests:** Chi-square test, Mann Whitney U Test, Wilcoxon Signed Rank Test. Univariate Normality Tests - Kolmogorov Smirnov Test, Shapiro-Wilk Test, Multivariate Normality Test,

**Analysis of Variance:** One-way ANOVA, Two-way ANOVA, MANOVA, MANCOVA, Kruskal Wallis H Test, Friedman Test, Tests of Homogeneity of Variance.

Use of Software for Data Analysis and Testing the Significance of Results: SPSS, AMOS, GRATL, Smart PLS, NVivo, Zotero/Mendeley, etc.

**Report Writing:** Types of Reports, Footnotes and Endnotes, Reference List and Bibliography, Use of Citations and References; APA Style. Plagiarism, Software for detection of plagiarism; Problems encountered by Researchers in India.

**Course Exit Learning Outcomes:**

On successful completion of the course, the students will be able to

*Develop thorough understanding of the fundamental theoretical ideas and logic of research and Research Standards and Research Ethics.*

*Propose a research study and justify the theory as well as the methodological decisions.*

*Formulate hypothesis and test the hypothesis.*

*Use the statistical tools and software packages in research*

*Acquire the skill in drafting research report.*

*Capability in taking up bivariate and multi-variate data analysis in research and test the significance of results.*

*Capability in undertaking research independently.*

*Confidence in undertaking research projects independently.*

**Suggested Readings:**

1. Bajpai, Naval. *Business Research Methods*. Pearson.
2. Bhandarkar, P. L. & Wilkinson, T.S. *Methodology and Techniques of Social Research*. Himalaya Publishing House.
3. Bryman, Alan & Emma Bell. *Business Research Methods*. Oxford University Press – India Edition.
4. Churchill. *Marketing Research*. Dryden Press, Harcourt Publications
5. Collis, Jill & Hussey, Roger. *Business Research: A Practical Guide for Undergraduates & Postgraduates*. Palgrave Macmillan – India.
6. Cooper and Pamela. *Business Research Methods*. Tata Mc Graw Hill.
7. Kothari, C. R. *Research Methodology: Methods and Techniques*. New Age International Publishers.
8. Krishnaswamy O.R. and Ranganatham, M. *Methodology of Research in Social Sciences*.

- Himalaya Publishing House.
9. Kumar, Ranjit. *Research Methodology – A Step-by-Step Guide for Beginners*. Pearson Education.
  10. Malhotra, Naresh. *Marketing Research*. Pearson Publication (Second Text)
  11. Mohan, S. and Elangovan, R. *Research Methodology in Commerce*. Deep and Deep Publications Pvt Ltd., New Delhi.
  12. Panneerselvam, R. *Research Methodology*. PHI Learning Pvt Ltd., New Delhi.
  13. Sekaran, Uma. *Research Methods for Business*. Wiley India, New Delhi.
  14. Saunders. *Business Research Methods*. Pearson Publications.
  15. Sharma, K. R. *Research Methods*. Atlantic Publishers, New Delhi
  16. Zikmund. William G. *Business Research Methods*. Cengage Learning.
- Note: Latest edition of text books may be used**

## **PAPER BATTgRM2: STATISTICAL ANALYSIS OF RESEARCH DATA USING SOFTWARE (EXCEL, SPSS, ETC.)**

### **Course Objectives:**

The course aims to:

*Provide the students' knowledge and understanding of the computerised systems for the collection and analysis of data using statistical methods.*

*Equip the students with the knowledge and understanding of the statistical techniques and computer software technology for the analysis of statistical data and testing their significance for the intended use.*

*Develop competence of students in analysing the data using technology and statistical methods in a business set up.*

### **Course Contents:**

**Unit I: Testing of Significance of Results:** Parametric and non-parametric tests; Testing the significance of results using Parametric tests – the Z test for large samples and the t test for small samples; Testing the results using non-parametric tests; Testing the hypothesis and Interpretation of results.

**Unit II: Skill Development using Microsoft Excel:** Use of Microsoft Excel and Software Packages for Data Analysis; Spreadsheet concepts; Managing worksheets; Formatting, conditional formatting, entering data, Editing, and Printing and Protecting worksheets; Handling operators in formula, Project involving multiple spreadsheets, Organizing Charts and graphs; Working with Multiple worksheets; controlling worksheet views, Naming cells and cell ranges.

**Working with Data:** Sort and filter, Consolidate Tables, Pivot tables; What-if-analysis: Goal seek, Data tables and Scenario manager; Data analysis ToolPak:

**Unit III: Skill Development - Creating business spreadsheet:** Loan and Lease statement; Ratio Analysis; Payroll statements; Capital Budgeting; Constraint optimization, Assignment Problems, Depreciation Accounting; Graphical representation of data; Frequency distribution and its statistical parameters; Develop proficiency in using statistical and other functions contained therein related to formation of frequency distributions and calculations of Descriptive Statistics, Averages, measures of dispersion, Correlation and Regression Analysis; Accounting ratios; BSE SENSEX & NSE NIFTY.

**Unit IV: Skill Development - Statistical Package for Social Sciences (SPSS):** User Manual, preparing data for analysis, basic usage of SPSS software (import/export of data, commands

like open, save, etc., applying basic statistical analysis; Quantitative and Qualitative data analysis, Descriptive analysis and testing the significance of one variable, two variables and multi-variables data.; Security and control of information systems.

**Unit V: Recent Trends in Computing:** Tools of business collaboration: emails, wikis, file sharing, screen sharing, web presenting, work scheduling; Cloud computing: meaning, types of cloud services: IaaS, PaaS, SaaS; Grid Computing; Virtualization; Green Computing; E-Commerce: meaning, business models, Electronic Data Interchange (EDI), Payment Gateways; Internet of Things (IoT); Ethical and Social dimensions in the use of technology for data analysis.

**For Skill development:**

(1) The Department shall purchase and install the necessary technology and equipment, develop an Accounting Laboratory and engage and develop competent and skilled faculty to guide and supervise the students in Statistical Data Analysis.

(2) The students would be given adequate time to practice in the Accounting Laboratory using the installed hardware and software.

**Course Exit Learning Outcomes:**

Upon successful completion of this course the student should be able to demonstrate:

*Understanding of the statistical methods used for collection and analysis of data.*

*Understanding of computer hardware and software packages and their capability and usage in analysis of data.*

*Develop instruments and collect data by conducting sample surveys and from secondary sources.*

*Analyse the data using computer software, test their significance and interpret the results.*

**Suggested Readings:**

1. Budnick, P. *Applied Mathematics*. McGraw Hill Publishing Co.
2. Elmasari, Ranez and Shamkant B. Navathe, *Fundamentals of Database Systems*. Pearson
3. Gupta, S.C. *Fundamentals of Statistics*. Himalaya Publishing House.
4. Jain Hem Chand and Tiwari H. N. *Computer Applications in Business*. Taxman Publications.
5. Levin, Richard and Rubin, David S. *Statistics for Management*. Prentice Hall of India, New Delhi.
6. Madan, Sushila, *Computer Applications in Business*. Scholar Tech Press.
7. Mathur Shruti and Jain Pooja. *Computer Applications in Business*. Galgotia Publishing Company
8. Mizrahi and John Sullivan. *Mathematics for Business and Social Sciences*. Wiley and Sons.
9. *Schaum's Outlines Series*. McGraw Hill Publishing Co.
10. Sharma, J. K. *Business Statistics*. Pearson Education.
11. Sharma S.K. and Bansal Mansi. *Computer Applications in Business*. Taxman Publications.
12. Wayne, Winston. *Data Analysis & Business Modelling*. PHI Publishing.

**Note: Latest edition of text books may be used.**

**PAPER BAcctgRM3: PROJECT REPORT/THESIS IN ACCOUNTING**

This course requires students to participate in field-based learning/project generally under the supervision of an employee of the given external entity. This shall require 30 hours per credit in a semester along with 15 hours of activities such as preparation for the field projects, data analysis, preparation of reports etc., and independent reading and study.

**Course Contents:** For the Dissertation in Accounting the activities to be undertaken during VII Semester will include writing of project/research proposal, and after approval of the Research problem

by the Departmental Research Committee undertaking research under a supervisor allocated by the department, review of related literature or studies and collection of required data.

**Research Project / Dissertation (12 credits)**

Students choosing a 4-Year Bachelor's degree (Honours with Research) are required to take up research projects under the guidance of a faculty member. The students are expected to complete the Research Project in the eighth semester. The research outcomes of their project work may be published in peer-reviewed journals or may be presented in conferences /seminars or may be patented.

**Exit Learning Outcomes of Qualification:**

Upon the completion of this qualification, the student should be able to demonstrate:

*Contemporary higher-level knowledge and competence in the fields of Financial Accounting, Cost Accounting, Management Accounting, Taxation, Auditing and Assurance and Finance.*

*Integrated knowledge of the research process – the skill to plan a research project, undertake literature review and empirical analysis, undertake interpretation of the results and come to conclusions.*

*Competency in identifying research problem, identify research objectives, research questions, undertake review of literature, methodology of data collection, data analysis using statistical and econometric methods and technology to analyse the data, interpreting the results and presenting the findings in the form of a written research report.*

*Acceptable behaviour within the academic environment, inclusive of adherence to the requirements of rules on plagiarism and copyright, and the ability to interact and collaborate effectively with others whilst taking co-responsibility for his/her own learning and research progress.*

*Capability to groom and develop competent researchers capable of contributing to the advancement of knowledge in the field of Accounting.*

*Capabilities to groom researchers in order to ensure that the research leadership and scholarly activity in accounting is widened in the country.*

**(4) TAXATION MAJOR**

**BACHELOR OF ACCOUNTING \_ CERTIFICATE**

**Eligibility for the UG Programmes:** Senior Secondary School Leaving Certificate or Higher Secondary (12th Grade) Certificate obtained after successful completion of Grade 12 or equivalent stage of education corresponding to Level-4.

**Qualification awarded:** A student qualifying at Semester I and II examinations securing 40 credits shall be awarded **Certificate in Accounting** provided he secures 4 credits in work based vocational courses offered during summer term or internship / Apprenticeship in addition to 6 credits from skill-based courses earned during first and second semester.

















































































































































































































































































































































































































































































































































































































