# SCHEME OF B.COM III (SPECIALTY PROGRAMMES)

**(5th Semester w.e.f. the Session 2019-20)**

**BANKING & INSURANCE**

#### Time: 3 Hours

**Max. Marks: 100 (80+20)**

**External: 80, Internal: 20**

|  |  |
| --- | --- |
| **Paper No.** | **Bachelor of Commerce** **(Banking & Insurance)** |
| BC-501 | Cost Accounting |
| BC-504 | Income Tax-I |
| BC(BI)-503 | Insurance Management-I |
| BC(BI)-504 | Commercial Bank Management-I |
| BC(BI)-505 | Merchant Banking and Financial Services-I |
| BC(BI)-506 | Fundamentals of Insurance-I |
| BC(BI)-507 | Indian Banking System-I |
| BC(BI)-508(i) | \*Training Report **(See Note 3)** |
| BC(BI)-508(ii) | Viva-Voce (General) **(See Note 3)** |

**Notes:**

1. Max. Marks for each paper are 80+20 = 100 i.e. Theory=80, Internal Assessment=20
2. \*Training Report carries a maximum of 50 marks and the marks for Viva-Voce (General) shall be given out of a maximum 50 marks.
3. No Training report BC(BI)-508(i) and viva-voce General BC(BI)-508(ii) in 5 th Semester of B.Com.III (Specially Programme). Rest of the Exam. Semester will remain same for 5th & 6th Semesters.

**Semester-V**

**BC-501**

**COST ACCOUNTING**

 **External Marks: 80**

 **Internal Marks: 20**

 **Time: 3 Hours**

**Note: Paper setter will set nine questions in all. Question No. 1 comprising of five short types questions carrying four (4) marks each is compulsory. It covers the entire syllabus. Answer to each question should not be more than one page. Candidate is required to attempt four questions from the remaining eight questions carrying 15 marks each.**

Introduction: nature and scope of cost accounting; cost concepts & classification; methods & techniques.

Materials: material planning &purchasing, pricing of material issue; treatment of material losses, material & inventory control: concept and techniques.

Labour: labour cost control procedure; labour turnover; Idle time and overtime; Methods of wage payment: time and piece rate; incentive schemes.

Overheads: classification, allocation, apportionment and absorption of overheads; under and over- absorption.

Methods of costing: unit costing; job costing; contract costing; process costing (process losses, valuation of work in progress, joint and by-products) service costing (only transport).

Standard costing and variance analysis: material and labour.

Cost control and cost reduction; cost audit; an overview of cost audit standards.

**REFERENCES**

* Arora, M.N. Cost Accounting – Principles and Practice, Vikas Publishing House, New Delhi.
* Jain, S.P. and K.L. Narang. Cost Accounting: Principles and Methods, Kalyani Publishers, Jalandhar.
* Lal, Jawahar. Cost Accounting, Tata McGraw Hill Publishing Co., New Delhi.
* Maheshwari, S.N. and S.N. Mittal. Cost Accounting: Theory and Problems, Shri Mahabir Book Depot, New Delhi.
* Mittal, D.K. and Luv Mittal. Cost Accounting. Galgotia Publishing Co., New Delhi.
* Nigam, B.M. Lall and I.C. Jain. Cost Accounting: Principles and Practice, Prentice Hall of India, New Delhi.
* Shukla, M.C., T.S. Grewal and M.P. Gupta. Cost Accounting: Text and Problems, S. Chand & Co. Ltd., New Delhi.

**Semester-V**

**BC-504**

**INCOME TAX-I**

**External Marks: 80**

**Internal Marks: 20**

**Time: 3 Hours**

**Note: Paper setter will set nine questions in all. Question No. 1 comprising of five short types questions carrying four (4) marks each is compulsory. It covers the entire syllabus. Answer to each question should not be more than one page. Candidate is required to attempt four questions from the remaining eight questions carrying 15 marks each.**

Introduction to income tax: concept, tax, person, income, agricultural income, casual income, previous year, financial year, assessment year, gross total income, total income; tax management: tax evasion, avoidance, and tax planning.

Basis of charges: scope of total income, residence and tax liability, income which does not form part of total income.

Heads of income: income from salary, house property; profit and gains from business and profession, capital gains and other sources.

Clubbing and aggregation of income.

Provisions regarding set-off and carry forward of losses.

**REFERENCES**

* Gaur and Narang, Income Tax Law & Practice, Kalyani Publishers, Jalandhar.
* Girish Ahuja and Ravi Gupta, Systematic Approach, C.C.H. India Publications, New Delhi.
* Mehrotra H.C., Income Tax Law & Account, Sahitya Bhawan Publications, Agra.
* Prasad, Bhagwati, Income Tax Law & Practice, Wishwan Prakashan, Bhopal.
* Singhania V.K., Student’s Guide to Income Tax, Taxmann Publications Pvt. Ltd., New Delhi.

**Semester-V**

**BC(BI)-503-Insurance Management-I**

#### Time: 3 Hours Max. Marks: 80

**Internal Assessment: 20**

**Note: Nine questions shall be set in the question paper. The candidates will be required to attempt five questions in all. First question comprising of five (05) short questions of four (04) marks each is compulsory. Besides, attempt any four questions choosing at least one question from each of the three units.**

**Unit-I:** Introduction: Savings and investment schemes like shares, units, capital markets, mutual funds, etc. vis-a-vis insurance; Tax benefits under insurance policies; Life cycle needs-including solutions, matching of the customers needs and requirements to available products;

**Unit-II :** Comparison between different products offered vis-a-vis chargeable premium and coverage. Computation of Premium/Bonuses: Premium calculation-including rebates, mode rebate, large-sum assured policies rebate; Extra premium; Under premiums; Computation of benefits; Surrender value; Paid-up value.

**Unit-III: I**nsurance Documents: Insurance documents, including proposal forms and other relevant forms; First premium receipt/ renewal premium receipt; Policy contract; Endorsements; Renewal notice/bonus notices; other insurance documents related to receipt.

#### Suggested Readings

* + 1. Mishra M.N.: Insurance Principles and Practice; S. Chand & Co., New Delhi.
		2. Insurance Regulatory Development Act 1999 and other relevant Acts.
		3. Life Insurance Corporation Act 1956.
		4. Gupta O.S.: Life Insurance; Frank Brothers, New Delhi.
		5. Vinayakam N., Radhaswamy and Vasudevan SV; Insurance Principles and Practice, S. Chand & Co.; New Delhi.
		6. Mishra M.N., Life Insurance Corporation of India, Vols I, II & III; Raj Books, Jaipur.

# Semester-V

**BC(BI)-504-Commercial Bank Management-I**

#### Time: 3 Hours Max. Marks : 80

**Internal Assessment : 20**

**Note: Nine questions shall be set in the question paper. The candidates will be required to attempt five questions in all. First question comprising of five (05) short questions of four (04) marks each is compulsory. Besides, attempt any four questions choosing at least one question from each of the three units.**

**Unit-I:** Principles of Banking: Definition of bank; Creation of money; Present structure of commercial banking system in India; Brief history; Functions; Working during 1947-1990 and thereafter.

**Unit-II:** Management Principles in Banks: Managerial functions in banks; Hierarchy, individual and group behaviour; Management of personnel -Functions of manager, inspector, local advisory committee; Recruitment; Selection; Training; Promotion; Control of staff.

**Unit-III:** Management of Deposits and Advances: Deposit mobilization; Classification and nature of deposit accounts; Advances; Lending practices; Types of advances; Principles of sound bank lending; Preparation of reports; Credit plans; Planning customers; Limits of credit; security.

#### Suggested Readings

1. Tandan ML: Banking -Law and Practice in India; lndian Law House, New Delhi.
2. Radhaswami M. and Basudevan A: Textbook of Banking; S. Chand & Co. New Delhi.
3. Panikar K.K: Banking -Theory & System: So Chand & Co. New Delhi.
4. Vinayakan N: Banking by 2000 A.D; Kanishka Publishers, Delhi.
5. Jessup P.F: Innovations in Bank Management.
6. Reed E.W: Commercial Bank Management.
7. Desai Vasant: Principles of Bank Management.
8. Khubchandan B.S.: Practice and Law of Banking; Macmillan, New Delhi.

**Semester-V**

**BC(BI)-505-Merchant Banking and Financial Services-I**

#### Time: 3 Hours Max. Marks : 80

**Internal Assessment : 20**

**Note: Nine questions shall be set in the question paper. The candidates will be required to attempt five questions in all. First question comprising of five (05) short questions of four (04) marks each is compulsory. Besides, attempt any four questions choosing at least one question from each of the three units.**

**Unit-I :** Merchant Banking: Functions; Scope; Merchant banking in India; SEBI guidelines for merchant bankers.

Role of Merchant Bankers in Fund Raising: Managing public issue; Public issue programme; Alternative to public issue; Private placement; Raising public deposits.

**Unit-II:** Credit Rating: Introduction; Instruments; Benefits; Rating methodology; Cautions;;Types of rating.

Project Appraisal: Project life cycle; Evaluation; Social cost benefit analysis; Capital cost and financial projections.

**Unit-III:** Long Term Finance & Working Capital Finance: Term loans; Working capital loans; Maximum permissible bank finance; Factoring and forfaiting.

Lease Financing and Decisions: Concept; Types of leases; Leasing decisions; Evaluation of leases.

#### Suggested Readings

1. Khan M.Y. & Jain P.K: Financial Management; Text and Problems, Tata McGraw Hill, New Delhi.
2. Pandey I.M: Financial Management; Vikas Publishing House, New Delhi.
3. Verma J.C: A Manual of Merchant Banking; Sharat Law House, New Delhi., 4: Pahwa H.P.S; Project Financing: Bharat Law House, New Delhi.

5. Khan M.Y: Financial Services; Tata McGraw Hill. New Delhi.

6: Rustagi R.P: Financial Managemenl- Theory Concepts and Problems - Incorporating the Emerging Trends in Capital Market; Galgotia, New Delhi.

1. Machiraju H.R: Merchant Banking Principles and Practice; New Age International, New Delhi.
2. Pezzullo Mary Ann: Marketing Financial Services; Macmillan, New Delhi.
3. Merrill Mary P.: Financial Planning in the Bank; Macmillan, New Delhi.
4. Gupta Shashi K. Financial Services, Kalyani Publishers, New Delhi.

# Semester-V

**BC(BI)-506-Fundamentals of Insurance-I**

#### Time: 3 Hours

**Max. Marks : 80**

**Internal Assessment : 20**

**Note: Nine questions shall be set in the question paper. The candidates will be required to attempt five questions in all. First question comprising of five (05) short questions of four (04) marks each is compulsory. Besides, attempt any four questions choosing at least one question from each of the three units.**

**Unit-I:** Introduction to Insurance: Purpose and need of insurance; Insurance as a social security tool; Insurance and economic development. Fundamentals of Agency Law: Definition of an agent; Agents regulations; Insurance intermediaries; Agents compensation.

**Unit-II:** Procedure for Becoming an Agent: Pre-requisite for obtaining a license; Duration of license; Cancellation of license; Revocation or suspension/termination of agent appointment; Code of conduct; Unfair practices.

**Unit-III:** Functions of the Agent: Proposal form and other forms for grant of cover; Financial and medical underwriting; Material information.

#### Suggested Readings

* 1. Mishra M.N.: Insurance Principles and Practices; S. Chand and Co, New Delhi.
	2. Insurance Regulatory Development Act 1999.
	3. Life Insurance Corporation Act 1956.
	4. Gupta OS: Life Insurance; Frank Brothers, New Delhi.
	5. Vinayakam N., Radhaswamy and Vasudevan SV; Insurance- Principles and practice, S. Chand and Co., New Delhi.
	6. Mishra MN: Life Insurance Corporation of India, Vols I, II & III; Raj Books, Jaipur.

# Semester-V

**BC(BI)-507-Indian Banking System-I**

#### Time: 3 Hours Max. Marks : 80

**Internal Assessment : 20**

**Note: Nine questions shall be set in the question paper. The candidates will be required to attempt five questions in all. First question comprising of five (05) short questions of four (04) marks each is compulsory. Besides, attempt any four questions choosing at least one question from each of the three units.**

**Unit-I:** Indian Banking System: Structure and organization of banks; Reserve Bank of India; Apex banking institutions; Commercial banks; Regional rural banks; Co-operative banks.

**Unit-II:** Development banks, Banking Sector Reforms, State Bank of India: Brief history; Objectives; Functions; Structure and organizations; Working and progress.

**Unit-III:** Banking Regulation Act, 1949: History; Social control; Banking Regulation Act as applicable to banking companies and public sector banks.

#### Suggestion Readings

1. Basu A.K: Fundamentals of Banking-Theory and Practice; A. Mukheljee and Co., Calcutta.
2. Sayers R.S: Modern Banking; Oxford University Press.
3. Panandikar S.G. and Mithani D.M: Banking in India; Orient Longman.
4. Reserve Bank of India: Functions and Working.
5. Dekock: Central Banking; Crosby Lockwood Staples, London.
6. Tennan M.L: Banking -Law and Practice in India; India Law House, New Delhi.
7. Khubchandani B.S.: Practice and Law of Banking; Macmillan, New Delhi.
8. Shekhar and Shekhar: Banking Theory and Practice; Vikas Publishing House, New Delhi.

**SCHEME OF B.COM III (SPECIALTY PROGRAMMES)**

**(5th Semester w.e.f. the Session 2019-20)**

**E-COMMERCE**

#### Time: 3 Hours

**Max. Marks: 100 (80+20)**

**External: 80, Internal: 20**

|  |  |
| --- | --- |
| **Paper No.** | **Bachelor of Commerce** **(E-Commerce)** |
| BC-501 | Cost Accounting |
| BC-504 | Income Tax-I |
| BC(EC)-503 | Fundamentals of M-Commerce-I |
| BC(EC)-504 | Principles of E-Marketing-I |
| BC(EC)-505 | Essentials of E-Commerce-I |
| BC(EC)-506 | Management Accounting |
| BC(EC)-507 | Internet & World Wide Web-I |
| BC(EC)-508(i) | \*Training Report **(See Note 4)** |
| BC(EC)-508(ii) | Viva-Voce (General) **(See Note 4)** |

**Notes:**

1. Max. Marks for each paper are 80+20 = 100 i.e. Theory=80, Internal Assessment=20
2. \*Training Report carries a maximum of 50 marks and the marks for Viva-Voce (General) shall be given out of a maximum 50 marks.
3. For Subject Internet & World Wide Web\* of B.Com. (E-Commerce) Theory: 50 Marks, Practical: 30 Marks, Internal Assessment: 20 Marks.
4. No Training report BC(BI)-508(i) and viva-voce General BC(BI)-508(ii) in 5th Semester of B.Com.III (Specially Programme). Rest of the Exam. Semester will remain same for 5th & 6th Semesters.

**Semester-V**

**BC-501**

**COST ACCOUNTING**

 **External Marks: 80**

 **Internal Marks: 20**

 **Time: 3 Hours**

**Note: Paper setter will set nine questions in all. Question No. 1 comprising of five short types questions carrying four (4) marks each is compulsory. It covers the entire syllabus. Answer to each question should not be more than one page. Candidate is required to attempt four questions from the remaining eight questions carrying 15 marks each.**

Introduction: nature and scope of cost accounting; cost concepts & classification; methods & techniques.

Materials: material planning &purchasing, pricing of material issue; treatment of material losses, material & inventory control: concept and techniques.

Labour: labour cost control procedure; labour turnover; Idle time and overtime; Methods of wage payment: time and piece rate; incentive schemes.

Overheads: classification, allocation, apportionment and absorption of overheads; under and over- absorption.

Methods of costing: unit costing; job costing; contract costing; process costing (process losses, valuation of work in progress, joint and by-products) service costing (only transport).

Standard costing and variance analysis: material and labour.

Cost control and cost reduction; cost audit; an overview of cost audit standards.

**REFERENCES**

* Arora, M.N. Cost Accounting – Principles and Practice, Vikas Publishing House, New Delhi.
* Jain, S.P. and K.L. Narang. Cost Accounting: Principles and Methods, Kalyani Publishers, Jalandhar.
* Lal, Jawahar. Cost Accounting, Tata McGraw Hill Publishing Co., New Delhi.
* Maheshwari, S.N. and S.N. Mittal. Cost Accounting: Theory and Problems, Shri Mahabir Book Depot, New Delhi.
* Mittal, D.K. and Luv Mittal. Cost Accounting. Galgotia Publishing Co., New Delhi.
* Nigam, B.M. Lall and I.C. Jain. Cost Accounting: Principles and Practice, Prentice Hall of India, New Delhi.
* Shukla, M.C., T.S. Grewal and M.P. Gupta. Cost Accounting: Text and Problems, S. Chand & Co. Ltd., New Delhi.

**Semester-V**

**BC-504**

**INCOME TAX-I**

**External Marks: 80**

**Internal Marks: 20**

**Time: 3 Hours**

**Note: Paper setter will set nine questions in all. Question No. 1 comprising of five short types questions carrying four (4) marks each is compulsory. It covers the entire syllabus. Answer to each question should not be more than one page. Candidate is required to attempt four questions from the remaining eight questions carrying 15 marks each.**

Introduction to income tax: concept, tax, person, income, agricultural income, casual income, previous year, financial year, assessment year, gross total income, total income; tax management: tax evasion, avoidance, and tax planning.

Basis of charges: scope of total income, residence and tax liability, income which does not form part of total income.

Heads of income: income from salary, house property; profit and gains from business and profession, capital gains and other sources.

Clubbing and aggregation of income.

Provisions regarding set-off and carry forward of losses.

**REFERENCES**

* Gaur and Narang, Income Tax Law & Practice, Kalyani Publishers, Jalandhar.
* Girish Ahuja and Ravi Gupta, Systematic Approach, C.C.H. India Publications, New Delhi.
* Mehrotra H.C., Income Tax Law & Account, Sahitya Bhawan Publications, Agra.
* Prasad, Bhagwati, Income Tax Law & Practice, Wishwan Prakashan, Bhopal.
* Singhania V.K., Student’s Guide to Income Tax, Taxmann Publications Pvt. Ltd., New Delhi.

**SEMESTER-V**

**BC(EC)-503: Fundamentals of M-Commerce-I**

**Max Marks: 80**

**Internal Assessment: 20**

**Time: 3 Hours**

**Note: Nine questions shall be set in the question paper. The candidates will be required to attempt five questions in all. First question comprising of five (05) short questions of four (04) marks each is compulsory. Besides, attempt any four questions choosing at least one question from each of the three units.**

**Unit-I**

Introduction to E-Commerce: Concept of WAP, Mobile computing framework, Technological foundation of WAP: wireless delivery technology & switching method, mobile data internetworking standards: CDMA, TDMA, mobile information access devices

**Unit-II**

WAP vs. e-commerce, WAP vs. traditional business operations, global growth projections,

**Unit-III**

M-Commerce operations: In banking, stock market, trading and shopping, current and emerging issues in m-commerce,

**REFERENCES:**

* 1. Agarwala Kamlesh N. and Agarwala Prateek: WAP the Net: An introduction to Wireless Application Protocol; Macmillan India Ltd. New Delhi
	2. Agarwala Kamlesh N. and Agarwala Prateek: M-Commerce; Macmillan India Ltd. New Delhi
	3. Daman Andy: The Essential Guide to Wireless Communication Applications ; Pearson Education Asia ( Low Price Edition)
	4. Schiller Jochen: Mobile Communication ; Addison-Wesley(Low Price Edition)

**SEMESTER-V**

**BC(EC)-504-Principles of E-marketing-I**

**Max Marks: 80**

**Internal Assessment: 20**

**Time: 3 Hours**

**Note: Nine questions shall be set in the question paper. The candidates will be required to attempt five questions in all. First question comprising of five (05) short questions of four (04) marks each is compulsory. Besides, attempt any four questions choosing at least one question from each of the three units.**

**Unit-I**

**Introduction**: Nature and scope of marketing; Importance of marketing-as a business function, and in the economy; Traditional marketing concept; Concept of E-marketing; E- marketing environment.

**Unit-II**

**Consumer behavior and market segmentation:** Consumer behaviour- Nature, Concept; Importance; Major factors affecting consumer behavior; Market segmentation-concept and importance; bases for market segmentation.

### Unit-III

**Building Traffic:** Promotion-Online promotion on the web site, listing on search engine; banners; link exchange programmed; affiliate programmed; referral programmed; directory listing; Building trust branding; navigation; presentation; fulfillment; logos of security; up-to-date technology; Building loyalty.

**REFERENCES**

1. Agarwala Kamlesh N., Agarwala Prateek and Agarwala Deeksha: e-CRM; Macmillan India Ltd, New Delhi.
2. Kotler Philip: Marketing Management; Prentice Hall, New Delhi.
3. Pride William M. and Ferrel O.C: Marketing; Houghton- Miffin Boston.
4. Staton W.J., Etzel Michael J., and Walker BruceJ.; Fundamentals of marketing; McGraw Hill, New Delhi.
5. Lamb Charles W.,Hair Joseph F., AND McDaniel Carl: Principles of Marketing, South- Westren-Publishing; Cincinnati, Ohio.
6. Cundiff, Edward W.and Still R.R: Basic Marketing-Concepts, Decision and Strategies; Prentice Hall, New Delhi.
7. Cravens David W.,Hills Gerald E, Woodruff Robert B.: Marketing Management; Homewood, III, Richard D. Irwin.
8. Kotler and Armstrong: Principles of Marketing; Prentice-Hall of India, New Delhi.

### SEMESTER-V

**BC(EC)-505: ESSENTIALS OF E-COMMERCE-I**

**Max Marks: 80**

**Internal Assessment: 20**

**Time: 3 Hours**

**Note: Nine questions shall be set in the question paper. The candidates will be required to attempt five questions in all. First question comprising of five (05) short questions of four (04) marks each is compulsory. Besides, attempt any four questions choosing at least one question from each of the three units.**

#### Unit-I

**Introduction to E - commerce:** Business operations, E – commerce practices; concepts of b2c, c2c, g2h, g2c; Features of E – commerce. Type of E – commerce systems, elements of E – commerce, principles of E – commerce, benefits and limitations of E – commerce, management issues relating to E – commerce

**Operations of E – commerce:** credit card transaction; secure hypertext transfer protocol (SHTP), electronic payment systems, secure electronic transaction (SET); Set’s encryption process; cyber e-cash, smart cards, Indian payment models.

#### Unit-II

**Emerging Business models:** Retail model, media model, advisory model, made-to-order manufacturing model, do-it-yourself model, information service model, emerging hybrid models, emerging models in India.

#### Unit-III

**Applications in B2C:** Key technologies for b2b, architectural models for b2b, characteristics of the supplier – oriented marketplace, buyer oriented marketplace and intermediary – oriented marketplace, just in time delivery in b2b, internet based EDI from traditional EDI, marketing issues in b2b.

#### REFERENCES:

1. Agarwala Kamlesh N. and Agarwala Deeksha:Bridge to online Storefront:Macmillan India, New Delhi
2. Agarwala Kamlesh N. and Agarwala Deeksha: Business on the Net-Introduction to the E- commerce; Macmillan India New Delhi
3. Agarwala Kamlesh N. and Agarwala Deeksha: Bulls, Bears and The Mouse: An Introduction to Online Stock Market Treadind; Macmillan India New Delhi
4. Tiwari Dr. Murli D.; Education and E-Governance; Macmillan India New Delhi
5. Minoli Daniel, Minoli Emma: Web Commerce Technology Handbook; Tata McGrew Hill New Delhi
6. Minoli Daniel:Internet & Intranet Engineering; Tata McGrew Hill New Delhi
7. Bhatnagar Subhash and Schware Robert (Eds); Information and Communication Technology in Development; Sage Publication India, New Delhi
8. Amor, Daniel: E-business (r) evaluation, The: Living and Working in an Interconnected World; Prentice Hall US
9. Afuah, A, and Tucci, C: Internet Business Models and Strategies; McGrew Hill, New York
10. Agarwala Kamlesh N.: Internet Banking ; Macmillan India New Delhi

**Semester - V**

**BC(EC)-506- Management Accounting**

**Max Marks: 80**

**Internal Assessment: 20**

**Time: 3 Hours**

**Note: Nine questions shall be set in the question paper. The candidates will be required to attempt five questions in all. First question comprising of five (05) short questions of four (04) marks each is compulsory. Besides, attempt any four questions choosing at least one question from each of the three units.**

**UNIT - I**

Management Accounting: Meaning, Nature, Scope & Functions of Management Accounting, Role of Management Accounting in decision making, Management Accounting vs. Financial Accounting, Tools & Techniques of Management Accounting.

Ratio analysis, classification of ratios, profitability ratios, turnover ratios, liquidity ratios, adv. of ratio analysis limitation of accounting ratios.

**UNIT - II**

Fund flow statement as per Indian Accounting Standard 3, cash flow statement.

**UNIT - III**

Interim financial reporting & segment reporting, social reporting accounting & reporting of the effects of changing prices.

**SEMESTER-V**

**BC(EC)-507: Internet and World Wide Web-I**

**Max Marks: 50**

**Practical: 30**

**Internal Assessment: 20**

**Time: 3 Hours**

**Note: Nine questions shall be set in the question paper. The candidates will be required to attempt five questions in all. First question comprising of five (05) short questions of two (02) marks each is compulsory. Besides, attempt any four questions choosing at least one question from each of the three units.**

#### Unit-I

The mechanism of internet: Distributed computing, Client server computing, Internet Protocol suite, protocol stack, Open System Interconnection Reference Model (OSIRM) Based on the International Organization for Standardization (ISO) (Application layer, Presentation layer, Session layer, Transport layer, Network layer, data link layer and Physical layer); TCP/IP protocol suite model

#### Unit-II

Mechanism of transmitting the message, across the network and function of Each layer, processing of data at the destination, Mechanism to log onto the Network, Mechanism of sending & receiving email. Internet enabled services: Electronic mail (email), Usenet & use group, File Transfer Protocol (FTP), Telnet, Finger, Internet Chat (IRC), Frequently Asked Questions (FAQ)

#### Unit-III

The World Wide Web consortium (w3c-origin & evolution), Standardizing the Web, W3C members, W3C recommendations, Browsing & Searching, Browsing & Information Retrieval, Exploring the World Wide Web, Architecture of World Wide Web, Hyperlink, Hypertext Markup language, Hypertext Transfer Protocol, Address-URL

**REFERENCES:**

1. Agarwala Kamlesh. N and Agarwala Deeksha: Bridge to the online store front; Macmillan India New Delhi
2. Agarwala Kamlesh. N and Agarwala Deeksha: Fatal Click: What to do When Viruses size your computer; Macmillan India New Delhi
3. Philips Lee Anne:Practical HTML 4;Prentice Hall New Delhi
4. Douglas E. Comer: The Internet Book; Prentice Hall New Delhi
5. Minoli Daniel,Minoli Emma:Web Commerce Technology Handbook;Tata McGraw Hill New Delhi
6. Minoli Daniel: Internet & Intranet Engineering;Tata McGraw Hill New Delhi
7. Deitel Harvey M. and Deitel Paul J. and Neito T.R;Complete Internet and World wide web Programming Training Coarse, Prentice Hall New Delhi
8. Complete Reference of HTML/XHTML by Thomas A.Powell
9. Hemant Kapilla:Data Comm. & Networking