

F.Y. B.Com
Optional Paper
Subject Name :- Co-operation

• **Objectives:**

1. To acquaint the students with the concept of co-operation and its movement.
2. To introduce the scope of Co-operation.
3. To make students build their career in the field of Co-operation and Rural Development.

| Term I | | |
|-----------------|--|-------------------------|
| Unit No. | Topic | No. of Lecturers |
| 1 | Concept of Co-operation | 12 |
| | Meaning & Definitions | |
| | Objectives | |
| | Nature and Scope of Co-operation. | |
| 2 | Principles of Co-operation- Evaluation of Co-operative principles and modifications there in from time to time. | 12 |
| | International Co-operative Alliance (I.C.A) Committee-1937 | |
| | International Co-operative Alliance (I.C.A.) Commission-1966 | |
| | International Co-operative Alliance (I.C.A.) Commission-1995 | |
| 3. | History of Indian Co-operative Movement – Origin of Co-operative movement in India. | 12 |
| | Sir Fedrick Nicholson Report 1904 | |
| | Maclagen Committee Report 1912 | |
| | Gorewala Committee Report 1954 | |
| | Vaidyanathan Committee Report 2005 | |
| 4. | Contribution to the development of Co-operative Movement in India of: | 12 |
| | Dr. Dhananjay Gadgil | |
| | Padmashri. Vaikuntbhai Mehta | |
| | Padmashri. Vitthalrao Vikhe Patil | |
| | Dr. Verghese Kurien | |
| | Karmaveer Bhausahab Hiray | |
| | Total | 48 |

| Term II | | |
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| Unit No. | Topic | No. of Lecturers |
| 5 | Different Types of Co-operative | 12 |
| | Rural Co-operative and Urban Co-operative | |
| | Agriculture Co-operative and Non Agriculture Co-operative. | |
| | Credit Co-operative and Non Credit Co-operative. | |
| | Weaker Sections Co-operatives. | |

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| | | Federation of Co-operatives | |
| 6 | Government and Co-operative movement | | 12 |
| | | Role of Central Government | |
| | | Role of State Government | |
| 7. | Achievement of Co-operative movement | | 12 |
| | | Strength and Weakness | |
| | | Future Trends of Co-operative Movement in India | |
| 8. | Co-operative Education and Training | | 12 |
| | | Objectives of Co-operative Education and Training. Training arrangement in India. Evaluation of education and training programmes. Problems and suggestions | |
| | | Total | 48 |

F.Y. B.Com.
Optional Paper
Consumer Protection and Business Ethics

• **Objectives:**

- 1) To acquaint the students with consumer and consumer movement.
- 2) To make the students aware about consumer rights, duties and mechanism for resolving their disputes.
- 3) To make students aware about role of united nations and consumers' associations in protection of consumers.
- 4) To make the students aware about laws relating to consumers.
- 5) To acquaint the students with role of Business Ethics in various functional areas.

| Term I | | |
|-----------------|---|-------------------------|
| Unit No. | Topic | No. of Lecturers |
| I | Consumer and Consumerism: | 18 |
| | Consumer: Concept, Meaning, Definition and Features | |
| | Problems of consumers: Rural and urban, Its Nature and Types | |
| | Consumerism – Meaning, objectives, Benefits-Consumerism in India | |
| | Rights, Duties and Responsibilities of Consumers. | |
| | Consumer Movement-Meaning-Definition-Importance, Scope & Features | |
| | Development of Consumer Movement in India- Problems and Prospects | |
| II | Voluntary Consumer Organizations (VCO) and Consumer Protection | 06 |
| | VCO: Origin, Importance, Functions and Limitations | |
| | Challenges before VCOs | |

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| | | Role of Voluntary Consumer Organization in Consumer Protection in the area of marketing & Advertisements. | |
| | | Consumer Education-Meaning-Definition-Objectives | |
| III | | United Nations Guidelines for Consumer Protection: | 06 |
| | | United Nations and Consumer Protection | |
| | | United Nations Guidelines for Consumer protection, 1985. | |
| | | Objectives. | |
| | | General principles. | |
| | | Guidelines | |
| | | Physical Safety | |
| | | Promotion and protection of consumers' economic interests | |
| | | Standards for the safety and quality of consumer goods and services | |
| | | Education and Information Programme | |
| | | Promotion of Sustainable Consumption | |
| IV | | Consumer Protection Act, 1986: | 18 |
| | | Background – Need-Scope and Features | |
| | | Definitions- Consumer-Goods-Services- Complaints, Complainant- Defect in Goods- Deficiency in Services, Unfair trade practices, Restricted Trade practices. | |
| | | Consumer Protection Councils-Composition-Working-and Objectives of: | |
| | | District Consumer Protection Council | |
| | | State Consumer Protection Council | |
| | | National Consumer Protection Council | |
| | | Mechanism for Redressal-Composition and working of- Consumer Disputes Redressal Agencies: | |
| | | District Consumer Disputes Redressal Forum | |
| | | State Consumer Disputes Redressal Commission | |
| | | National Consumer Disputes Redressal Commission | |
| | | Procedure of filing complaints | |

| Term II | | |
|----------|---|------------------|
| Unit No. | Topic | No. of Lecturers |
| V | An overview of various Laws for the Protection of Consumers: | 18 |
| | The Bureau of Indian Standards Act, 1986 (Sections - 1,10,11,14,33) | |
| | The Competition Act, 2002 (Sections – 1, 3 to 6) | |
| | Right to Information Act, 2005 (Sections – 1 to 11, 18, 19 and 20) | |
| | Food Safety and Standards Act, 2006 (Sections– 1to 3, 18 to 28) | |
| VI | Protection of Consumer against Standard Form of Contract: | |

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| | | Nature and Relevance of Standard Form of Contract | |
| | | Judicial Response to Standard Form of Contract in India and Abroad | |
| | | Legislative Reforms | |
| VII | Conceptual Framework of Business Ethics: | | |
| | | Concept of Ethics: Its Meaning and Nature | |
| | | Definition importance and Scope of Business Ethics | |
| | | Types of Business Ethics; viz:- | |
| | | Professional business ethics | |
| | | Ethics of accounting information | |
| | | Ethics of Production | |
| | | Ethics of intellectual property skill, knowledge etc. | |
| VIII | Business Ethics in Modern Times: | | |
| | | Social Responsibilities of Business | |
| | | Business Ethics and Environmental Issues: Indian and International level - Green initiatives | |
| | | Management and Ethics | |
| | | Ethical Issues in Marketing | |
| | | Ethical Issues in Human Resource Management | |

F.Y. B.Com.
Business Environment and Entrepreneurship
Optional Paper

• **Objectives:**

- 1) To make the students aware about the Business Environment.
- 2) To create entrepreneurial awareness among students,
- 3) To motivate students to make their mind set for taking up entrepreneurship as career.

| Term I | | |
|----------|--|------------------|
| Unit No. | Topic | No. of Lecturers |
| 1 | Business Environment - Concept- Importance - Inter relationship between environment and entrepreneur, Types of Environment- Natural, Economic - Political - Social - Technical - Cultural - Educational - Legal - Cross-cultural – Geographical etc. | 12 |
| 2 | Environment Issues Protecting the Natural Environment – prevention of pollution and depletion of natural resources; conservation of natural resources, Opportunities in Environment. | 12 |

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| 3 | Problems of growth Relevance to entrepreneurship -Unemployment- Poverty-Regional imbalance- Social injustice-Inflation - Parallel Economy- Lack of Technical knowledge and information. | 12 |
| 4. | The Entrepreneur- Evolution of the term entrepreneur-" Competencies of an entrepreneur - Distinction between entrepreneur and manager- Entrepreneur and enterprise -Entrepreneur and Entrepreneur. Entrepreneur and Entrepreneurship. | 12 |

| Term II | | |
|-----------------|--|-------------------------|
| Unit No. | Topic | No. of Lecturers |
| 1 | Entrepreneurial Behaviour – Comparison between entrepreneurial and non-entrepreneurial Personality- Habits of Entrepreneurs - Dynamics of Motivation | 12 |
| 2 | Entrepreneurship Importance of Entrepreneurship - Economic Development and Industrialization, Entrepreneurship in Economic Theory- Role of Entrepreneurship ~ Entrepreneur as a catalyst. | 12 |
| 3 | National Level Training Organizations in promoting entrepreneurship (1) Entrepreneurship Development Institute of India (EDII) State Level Training Organizations in promoting entrepreneurship (1) MCED (2) DIC (3) Maratha Chamber of Commerce and their role. (4) Local NGO's and their roles. | 12 |
| 4 | Biographical study of entrepreneurs i) Narayan R. Murthy ii) Cyruas Poonawala iii) Any successful Entrepreneur from your area (Milind Kamble) | 12 |

S.Y. B.Com.
Compulsory Paper
Business Management (204)

• **Objectives:**

- 1) To make the students aware about the Business Environment.
- 2) To create entrepreneurial awareness among students,
- 3) To motivate students to make their mind set for taking up entrepreneurship as career.

| Term I | | |
|-----------------|---|-------------------------|
| Unit No. | Topic | No. of Lecturers |
| I | OVERVIEW OF MANAGEMENT Meaning, Definition and Management: Is it Science, Art or profession? Characteristics of Professional Management. The need of Management Study. Process of Management, Level of Management, Managerial Skills, Challenges before management, Brief Review of Management Thought with reference to FW Taylor & Henry Fayol | 12 |
| II | PLANNING & DECISION MAKING. Planning-Meaning, Definition, Nature, Importance, Forms, Types Of Planning, Steps in Planning, Limitations Of Planning. Forecasting-Meaning & Techniques. Decision Making- Meaning, Types Of Decisions & Steps In Decision Making. | 12 |
| III | ORGANIZATION & STAFFING Meaning, Process & Principles, Departmentalization, Organization Structure, Authority and Responsibility, Delegation of authority, Difficulties in delegation of Authority, Centralization versus Decentralization, Team Work. Staffing-Meaning, Need & Importance of Staffing, Recruitment-Sources and Methods of Recruitment. | 12 |
| IV | DIRECTION & COMMUNICATION Direction- Meaning, Elements, Principles, Techniques & importance. Communication-Meaning, Types, Process of Communication & importance of effective Communication. Barriers to Communication | 12 |
| | Total | 48 |

| Term II | | |
|-----------------|---|-------------------------|
| Unit No. | Topic | No. of Lecturers |
| V | MOTIVATION Meaning, importance, Theories of motivation, Maslow's Need Hierarchy Theory, Herzberg's Two factors Theory, Douglas Mc Gregor's Theory of X & Y & Ouchi' Theory Z. McClelland's Theory | 12 |
| VI | LEADERSHIP Meaning, Importance, Qualities & Functions of a Leader, Leadership Styles for Effective Management .Contribution of Mahatma Gandhi, Dr. Babasaheb Ambedkar & Pandit Jawaharlal Neharu | 12 |
| VII | CO-ORDINATION AND CONTROL | 12 |

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| | Meaning and Need , Techniques of establishing Co-ordination, difficulties in establishing co-ordination, Control-Need, steps in the process of control & Techniques. | |
| VIII | RECENT TRENDS IN BUSINESS MANAGEMENT Business Ethics, Corporate Social Responsibility, Corporate Governance, Disaster Management, Management of Change | |
| | Total | 48 |

S.Y. B.Com.
Compulsory Paper
Subject Name -: Elements of Company Law (205)

| Term I | | |
|-----------------|---|-------------------------|
| Unit No. | Topic | No. of Lecturers |
| I | Introduction to the New Act & Concept of Companies: 1.1. Background and Salient Features of the Act of 2013, Overview of the changes introduced by the Act of 2013; 1.2. Nature and types of Companies, Definitions and important features of a Company- Distinction between a company and a partnership - Lifting or Piercing the Corporate Veil 1.3. Types of Companies based on various criteria including one man company, dormant company, sick and small company, associate company. 1.4. Distinction between private and public company (Advantages, Disadvantages and privileges of both the companies) - Conversion of a private company into a public company - Conversion of a public company into a private company. | 13 |
| II | Formation and Incorporation of a Company: 2.1. Stages in the Formation and Incorporation. 2.1.1. Promotion: Meaning of the term 'Promoter' / Promoter Group - Legal Position of Promoters, Pre-incorporation contracts. 2.1.2. Registration/ Incorporation of a company: - Procedure, Documents to be filed with ROC. Certificate of Incorporation- Effects of Certificate of Registration. 2.1.3. Floatation/ Raising of capital. 2.1.4. Commencement of business. | 8 |
| III | Documents relating to Incorporation and Raising of Capital: 3.1 Memorandum of Association: Meaning and importance- Form and contents- Alteration of memorandum. 3.2 Articles of Association: Meaning- Relationship of and distinction between Memorandum of association and Articles of association- Contents and form of Articles- Alteration of articles- Doctrine of constructive notice- Doctrine of Indoor Management. 3.3 Prospectus: Meaning and Definition- Contents- Abridged form of prospectus- Statutory requirements in relation to prospectus- Deemed prospectus- Shelf prospectus - Statement in lieu of prospectus- Misstatement in a prospectus and Liabilities for Mis | 7 |
| IV | Capital of the Company | 14 |

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| | <p>4.1 Various Modes for Raising of Share Capital including private placement, public issue, rights issue, bonus shares.</p> <p>4.2 ESOS, Sweat Equity Shares, Buy-back of shares.</p> <p>4.3 Allotment of Shares: Meaning- - Statutory provisions for allotment, improper and irregular allotment- Consequences of irregular allotment.</p> <p>4.4 Calls On Shares: Meaning- Requisites of a valid call, Calls in advance</p> <p>4.5 Share Certificates: Meaning, Provisions regarding issue of share certificates - Duplicate Share Certificate. 4.6 Share Capital – Meaning, Structure (Kinds) – Concept of Securities – Definition, Nature and Kinds of Shares.</p> | |
| V | <p>Forfeiture, Surrender & Transfer of Shares</p> <p>5.1 Forfeiture and Surrender of Shares: Meaning of forfeiture of shares: - Conditions/Rules of valid forfeiture- Effect of forfeiture- Re-issue of forfeited shares- Annulment of forfeiture-</p> <p>5.2 Surrender of shares</p> <p>5.3 Transfer and transmission of shares - meaning and procedure distinction between transfer and transmission</p> <p>5.4 Nomination of shares</p> | 6 |

| Term II | | |
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| Unit No. | Topic | No. of Lecturers |
| VI | <p>E-Governance and E-Filing:</p> <p>6.1 Introduction- Meaning of E-Governance</p> <p>6.2 Advantages of E-Governance,</p> <p>6.3 Basic understanding of MCA Portal 6.4 E-filing (Ss. 397 to 402), DIN- Directors Identification Number (Ss. 153159)</p> | 13 |
| VII | <p>Management of Company:</p> <p>7.1 Board of Directors: Definition, Powers, Restrictions, Prohibition on Board. (Ss. 179 to 183)</p> <p>7.2 Director: Meaning and Legal position of directors.</p> <p>7.3 Types of Directors – Types including Executive, Non-Executive, Independent, Additional, Alternate, Interested, Nominee Director, Related Party Transactions (Ss. 188)</p> <p>7.4 Appointment of Directors, Qualifications and Disqualifications.</p> <p>7.5 Powers, Duties, Liabilities of Directors, Remedies for Breach of Duties.</p> <p>7.6 Loans to Directors (S. 185), Remuneration of Directors</p> | 10 |
| VIII | <p>Key Managerial Personnel (KMP)</p> <p>8.1 Meaning, Definition and Appointments of Managing Director, Whole Time Director, Manager, Company Secretary Term of office/ Tenure of appointment, Remuneration –</p> <p>8.2 Distinction between Managing Director, Manager and Whole Time Director - Role (Powers, Functions of above KMP)</p> <p>8.3 Corporate Social Responsibility (CSR) [U/S 135] – Concept who is Accountable, CSR Committee, Activities under CSR,</p> <p>8.4 Role of Board of Directors.</p> <p>8.5 Prevention of Oppression and Mismanagement (Ss. 241 to 246)</p> | 10 |
| IX | <p>Company Meetings:</p> <p>9.1 Board Meeting – Meaning and Kinds</p> | 12 |

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| | <p>9.2 Conduct of Meetings - Formalities of valid meeting [Provisions regarding agenda, notice, quorum, proxies, voting, resolutions (procedure and kinds) minutes, filing of resolutions, Virtual Meeting]</p> <p>9.3 Meeting of Share Holders General Body Meetings, Types of Meetings A. Annual General Meeting (AGM), Ss. 96 to 99 B. Extraordinary General Meeting (EOGM) – S. 100</p> <p>9.4 Provisions regarding convening, constitution, conducting of General Meetings contained in Ss. 101 to 114</p> | |
| X | <p>10.1 Revival and Re-habilitation of Sick Companies (S. 253-269)</p> <p>10.2 Compromises, Arrangements and Amalgamation: Concept and Purposes of Compromises, Arrangements, Amalgamation, Reconstruction – Fine distinction between these terms.:</p> <p>10.3 Winding –up: Meaning of winding-up, Dissolution of company, Conceptual understanding of winding-up by the Tribunal, Compulsory winding-up, Members’ voluntary winding-up, Creditors’ voluntary winding-up</p> | 10 |

S.Y. B.Com.
Business Administration Special Paper I
Subject Name :- Business Administration (206)

| Term I | | |
|-----------------|---|-------------------------|
| Unit No. | Topic | No. of Lecturers |
| I | BUSINESS ADMINISTRATION CONCEPTS Business - Definition, Characteristics, scope & Objectives of business- Economic & Social perspectives . Commerce- Meaning, Concept. Trade & Aids to trade- Meaning & Definition of the Terms: Administration, Management and Organization. Functions of Administration | 12 |
| II | FORMS OF BUSINESS ORGANIZATION Sole Proprietorship, Partnership Firm, Limited Liability Partnership, Joint Ventures, Joint Stock Company, Co-operative Society- features, Merits & Limitations. Non Profit joint Stock Company under section 25 of the Companies Act Suitability of a form of organization- Factors determining the suitability of form of Organisation | 12 |
| III | BUSINESS ENVIRONMENT Meaning, Constituents of business environment- Economic, International, Social, Legal, Cultural, Educational, Political, Technological & Natural. Interaction of business & environmental forces. Social Responsibilities | 12 |
| IV | BUSINESS PROMOTION Business Unit- Promotion: Concept of promotion, stages in business promotion, Factors affecting location & Size, Present trends in location, size of business unit. Role of Govt in the promotion of SEZ | 12 |
| | Total | 48 |
| Term II | | |
| V | LEGAL ASPECTS | 12 |

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| | Compliance of legal requirements in promoting business unit, Licensing, Registration, Filing returns & other documents. Important legal provisions governing promotion & establishment of unit | |
| VI | PRODUCTIVITY Meaning, Importance & measurement of productivity. Factors affecting productivity, techniques, Measures to boost productivity, Role of National Productivity Council- Product Quality Control ISO-9000, 14000, Quality Circles | 12 |
| VII | RECENT TRENDS IN BUSINESS MANAGEMENT Liberalization, Privatization, Globalization -meaning, concept –implications & consequences, SEZ, BPO, KPO and LPO .Public Private Partnership .MKCL | 12 |
| VIII | INDUSTRIAL SICKNESS Meaning, definition, symptoms, causes & Consequences of industrial sickness. Role of Government in prevention of industrial sickness. Role of BIFR. | 12 |
| | Total | 48 |

T.Y. B.Com.
Compulsory Paper
Subject Name :- Business Regulatory Framework (301)
(Mercantile Law)

| Term I | | |
|----------|--|------------------|
| Unit No. | Topic | No. of Lecturers |
| I | Law of Contract – General Principles.(Indian Contract Act, 1872) <ul style="list-style-type: none"> • Definition, Concept and kinds of contract • Offer and Acceptance. • Capacity of parties. • Consideration. • Consent and free consent. • Legality of object and consideration. • Void Agreements. • Discharge of contract. • Breach of contract and remedies (Including damages, meaning, kinds and rules for ascertaining damages) | 20 |
| II | Law of Partnerships: 2.1. Indian Partnership Act 1932: Partnership; Definition and Characteristics, Types of Partners, Rights, Duties and Liabilities of Partners, Dissolution of Partnership 2.2. Limited Liability Partnership Act 2008: Limited Liability Partnership (LLP); Concept, Nature and Advantages, Difference between LLP and Partnership Firm, Difference between LLP and company, Partners and designated partners, Incorporation of LLP, Partners and their relations, Liability of LLP and Partners (Section 27). Financial Disclosure by LLP, Contributions (Section 32), Assignments and Transfer of Partnership Rights (Section 42) Conversation to LLP (Section 55), Winding-up and dissolution (Section 63 & 64) | 4 5 |

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| III | <p>Sale of Goods.(Sale of Goods Act,1930)</p> <p>Contract of sale-Concept and Essentials.</p> <p>Sale and agreement to sale.</p> <p>Goods-Concept and kinds.</p> <p>Conditions and warranties. (Definition, Distinction, implied conditions and warranties)Transfer by non-owners.</p> <p>Rights of Unpaid Seller and Remedial Measures</p> | 14 |
| IV | <p>E-Contracts (E-Transactions/E-Commerce.):</p> <ul style="list-style-type: none"> • Significance of E-Transactions /E-Commerce. Nature. Formation. Legality. Recognition. <p>(Chapter 4.Sec.11-13 of IT Act,2000 relating to attribution, acknowledgement, dispatch of E-Records) • Digital Signatures –Meaning & functions, Digital Signature certificates [Sections 35-39] • Legal issues involved in E-Contracts.</p> | 05 |
| II | | |
| V | <p>The Consumer Protection Act, 1986</p> <ul style="list-style-type: none"> • Salient features of the C.P. Act. • Definitions-Consumer, Complainant, Services, Defect & Deficiency, Complainant, unfair trade practice, restrictive trade practice. • Consumer Protection Councils. • Procedure to file complaint & Procedure to deal with complaint & Reliefs available to consumer.(Sec.12 to14) • Consumer Disputes Redressal Agencies. (Composition, Jurisdiction, Powers and Functions.) | 12 |
| VI | <p>Intellectual Property Rights : (IPRs)</p> <ul style="list-style-type: none"> • WIPO: Brief summary of objectives, organs, programmes & activities of WIPO.TRIPS: As an agreement to protect IPR-Objectives & categories of IPR covered by TRIPS. • Definition and conceptual understanding of following IPRs under the relevant Indian current statutes. • Patent: Definition & concept, Rights & obligation of Patentee, its term. • Copyright: Characteristics & subject matter of copyright, Author & his Rights, term. • Trademark: Characteristics, functions, illustrations, various marks, term, internet domain name- Rights of trademark holder. • Design: Importance, characteristics, Rights of design holder. • Geographical Indications, Confidential Information & Trade Secrets, Traditional knowledge—Meaning & scope of these IPRs | 16 |
| VII | <p>Negotiable Instruments Act, 1881:</p> <ul style="list-style-type: none"> • Concept of Negotiable Instruments: Characteristics, Meaning Important relevant definitions under the Act • Definitions, Essentials of promissory note, bill of exchange and cheque. Distinction between these instruments. Crossing of cheques – It’s meaning and types. • Holder and holder in due course, Privileges of holder in due course. • Negotiation, endorsement, kinds of endorsement. | 14 |

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| | <ul style="list-style-type: none"> Liabilities of parties to negotiable instruments. Dishonour of N. I., kinds, law relating to notice of dishonor. Dishonor of cheques. | |
| VIII | Arbitration & Conciliation: <ul style="list-style-type: none"> Concept of Arbitration & Conciliation. Definition & Essentials of Arbitration Agreement. Power and Duties of Arbitration. Conciliation proceeding. (Provisions of Arbitration & Conciliation Act, 1996 in nutshell to be covered.) | 06 |

M.Com. Part I Semester II
Commercial Laws and Practices Special Paper III.
Subject Title -: E-Security and Cyber Laws
Course Code -: 205

| Term I | | |
|-----------------|--|-------------------------|
| Unit No. | Topic | No. of Lecturers |
| I | Introduction to Computer crimes. Computer Crimes. Types of Computer crimes, Specific Threats, Attacks on Computer Systems, Major types of Security Problems / Common threats, Computer Frauds and abuse techniques. Characteristics and types of computer frauds. Preventing Computer Frauds and Ethical Considerations. System Vulnerability and abuse – Internet Vulnerability. Protecting Information systems from potential threats. E-Commerce security issues. Risk Involved in E-Commerce. Protecting E-Commerce System | 15 |
| II | E-Security Introduction to E-Security and Security Requirements. Types of Intruders, attacking methods, Hackers and Crackers. Computer Viruses, Spam, Denial of services. Security Policy, Secure E-Transactions. Types of Information Systems Controls- General Controls – Physical Controls, Access Controls, Biometric Controls, data Security Controls and Application Controls. Security Tools and Methods- Password, Authentication, Access Control, Encryption, Firewall, Antivirus Software, Digital Identity and digital Signature, Certificate Certificates. Secure Socket Layer and Secure Electronic Transaction Protocols | 15 |
| III | Cyber Laws --- Introduction to Cyber Laws—Meaning & scope of Cyber Laws, online contracts, & requirements & legal aspects of e-contracts (offer and acceptance in eform), Cyber Laws & legal issues (cyber jurisprudence, & sovereignty, net neutrality, freedom of speech in cyber space, governance) Information Technology Act – 2002 Part-I Digital Signature-definition ,meaning, functions, procedure, E- Governance (Ss. 4 to 9), E- Records (Ss 11 to 16), Controller of Certifying Authority (powers, functions u/s 17 to 20), Digital Signature Certificates --License to issue Digital Signature Certificates, (suspension, revocation etc.--Ss.21 to 26), Duties of Certifying Authority (Ss.30 to 34), Provisions relating to Digital Signature Certificates (Ss. 35 to 39), Duties of subscriber(Ss. | 10 |
| IV | Information Technology Act – 2002 Part-II | 08 |

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| | Penalties for Cyber Wrongs and Adjudication (Ss. 43 to 47) , Cyber Regulation Appellate Tribunal (Procedure and Powers(Ss.48 to 51, 57 to 64) Cyber Crimes/Offences & punishment (u/s 65 to 79), offences by companies(S.85) Amendments effected in IPC 1860,Indian Evidence Act,1872, Bankers Books Evidence Act, 1891, Reserve Bank of India Act, 1934 pursuant to Ss. 91 to 94 of ITA, 2000 | |
| | Total | 48 |

Course I
Introduction to Human Rights and Duties
Credit: 1

| Unit No. | Topic | No. of Lecturers |
|----------|---|------------------|
| I | Basic Concept a) Human Values- Dignity, Liberty, Equality, Justice, Unity in Diversity, Ethics and Morals b) Meaning and significance of Human Rights Education | |
| II | Perspectives of Rights and Duties a) Rights: Inherent-Inalienable-Universal- Individual and Groups b) Nature and concept of Duties c) Interrelationship of Rights and Duties | |
| III | Introduction to Terminology of Various Legal Instruments a) Meaning of Legal Instrument- Binding Nature b) Types of Instruments: Covenant-Charter-Declaration-Treaty-Convention-Protocol-Executive Orders and Statutes c) Brief History of Human Rights- International and National Perspectives d) Provision of the charters of United Nations e) Universal Declaration of Human Rights- Significance-Preamble f) Civil and Political Rights-(Art. 1-21) g) Economic, Social and Cultural Rights-(Art.22-28) h) Duties and Limitations-(Art. 29) i) Final Provision (Art. 30) | |

Course II
Human rights of vulnerable and disadvantaged groups
Credit: 1

| Unit No. | Topic | No. of Lecturers |
|----------|---|------------------|
| I | General Introduction a) Meaning and Concept of Vulnerable and Disadvantaged b) Groups, Customary, Socio-Economic and Cultural Problems of Vulnerable and Disadvantaged Groups | |
| II | Social status of women and children in International and national perspective a) Human Rights and Women's Rights –International and National Standards b) Human Rights of Children-International and National Standards | |
| III | Status of Social and Economically Disadvantaged people a) Status of Indigenous People and the Role of the UN | |

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| | <ul style="list-style-type: none"> b) Status of SC/ST and Other Indigenous People in the Indian Scenario c) Human Rights of Aged and Disabled d) The Minorities and Human Rights | |
| IV | <p>Human rights of vulnerable groups</p> <ul style="list-style-type: none"> a) Stateless Persons b) Sex Workers c) Migrant Workers d) HIV/AIDS Victims | |

Course III

Human Rights and Duties in India: Law, Policy, Society and Enforcement

Mechanism

Credit: 1

| Unit No. | Topic | No. of Lecturers |
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| I | <p>Human Rights in Indian Context</p> <ul style="list-style-type: none"> a) Indian Bill of Rights And Sarvodaya b) Preamble- Fundamental Rights- Directive Principles-Fundamental Duties | |
| II | <p>Human Rights- Enforcement Mechanism</p> <ul style="list-style-type: none"> a) Human Rights Act, 1993 b) Judicial Organs- Supreme Court (Art 32) And High Courts(Art 226) c) Human Rights Commission- National and State of Maharashtra d) Commission of Women, children , Minority, SC/ST e) Survey of International Mechanism | |
| III | <p>Human Rights Violations and Indian Polity</p> <ul style="list-style-type: none"> a) Inequalities in society-population-illiteracy-poverty-caste-inaccessibility of legal redress b) Abuse of Executive Power-Corruption-Nepotism and favoritism c) Human Rights and Good Governance d) Role of Advocacy Groups e) Professional Bodies: Press, Media, Role of Lawyers-Legal Aid f) Educational Institutions g) Role of Corporate Sector h) NGO's | |

Introduction to Cyber Security / Information Security

Syllabus for 'Introduction to Cyber Security / Information Security' program* for students of University of Pune is given below.

The program will be of 4 credits and it will be delivered in 60 clock hours**.

*: Course material for this program will be developed by CINS

** : These clock hours also includes practical sessions and demonstrations wherever required.

| SR. NO. | TOPIC | HOURS | MARKS |
|---------|--|-------|-------|
| 1 | Module 1: Pre-requisites in Information and Network Security | 14 | 25 |
| | Chapter 1: Overview of Networking Concepts | 3 | |
| | Chapter 2: Information Security Concepts | 3 | |
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Detail Syllabus for Credit Course for University of Pune

Module 1

Pre-requisites in Information and Network Security

Chapter 1: Overview of Networking Concepts

- a) Basics of Communication Systems
- b) Transmission Media
- c) Topology and Types of Networks
- d) TCP/IP Protocol Stacks
- e) Wireless Networks
- f) The Internet

Chapter 2: Information Security Concepts

- a) Information Security Overview: Background and Current Scenario
- b) Types of Attacks
- c) Goals for Security
- d) E-commerce Security
- e) Computer Forensics
- f) Steganography

Chapter 3: Security Threats and Vulnerabilities

- a) Overview of Security threats
- b) Weak / Strong Passwords and Password Cracking
- c) Insecure Network connections
- d) Malicious Code
- e) Programming Bugs
- f) Cybercrime and Cyber terrorism
- g) Information Warfare and Surveillance

Chapter 4: Cryptography / Encryption

- a) Introduction to Cryptography / Encryption
- b) Digital Signatures
- c) Public Key infrastructure
- d) Applications of Cryptography
- e) Tools and techniques of Cryptography

Module 2: Security Management

Chapter 1: Security Management Practices

- a) Overview of Security Management
- b) Information Classification Process
- c) Security Policy
- d) Risk Management
- e) Security Procedures and Guidelines
- f) Business Continuity and Disaster Recovery
- g) Ethics and Best Practices

Chapter 2: Security Laws and Standards

- a) Security Assurance
- b) Security Laws
- c) IPR
 - a) International Standards
 - b) Security Audit
 - c) SSE-CMM / COBIT etc

Module 3: Information and Network Security

Chapter 1: Access Control and Intrusion Detection

- a) Overview of Identification and Authorization
- b) Overview of IDS
- c) Intrusion Detection Systems and Intrusion Prevention Systems

Chapter 2: Server Management and Firewalls

- a) User Management
- b) Overview of Firewalls
- c) Types of Firewalls
- d) DMZ and firewall features

Chapter 3: Security for VPN and Next Generation Technologies

- a) VPN Security
- b) Security in Multimedia Networks
- c) Various Computing Platforms: HPC, Cluster and Computing Grids
- d) Virtualization and Cloud Technology and Security

Module 4: System and Application Security

Chapter 1: Security Architectures and Models

1. Designing Secure Operating Systems
2. Controls to enforce security services
3. Information Security Models

Chapter 2: System Security

1. Desktop Security
2. email security: PGP and SMIME
3. Web Security: web authentication, SSL and SET
4. Database Security

Chapter 3: OS Security

1. OS Security Vulnerabilities, updates and patches
2. OS integrity checks
3. Anti-virus software
4. Configuring the OS for security
5. OS Security Vulnerabilities, updates and patches

Chapter 4: Wireless Networks and Security

1. Components of wireless networks
2. Security issues in wireless