

MBA LOGISTICS MANAGEMENT

E) INSTRUCTIONAL DESIGN**MBA LOGISTICS MANAGEMENT**

M.B.AG	Title	CIA Max.	ESE Max.	TOT Max.	C
I Semester					
35511	Management – Principles and Practices	25	75	100	4
35512	Organizational Behaviour	25	75	100	4
35513	Managerial Economics	25	75	100	4
35514	Quantitative Techniques	25	75	100	4
35515	Financial and Management Accounting	25	75	100	4
Total		125	375	500	20
II Semester					
35521	Research Methods	25	75	100	4
35522	Business Environment	25	75	100	4
35523	Business Laws	25	75	100	4
35524	Management Information System	25	75	100	4
35525	Human Resource Management	25	75	100	4
Total		125	375	500	20
III Semester					
35531	Marketing Management	25	75	100	4
35532	Financial Management	25	75	100	4
35533	Modern Logistics Operations	25	75	100	4
35534	Packing and Packaging Management	25	75	100	4
35535	Rail-Road-Logistics	25	75	100	4
Total		125	375	500	20
IV Semester					
35541	Warehousing Management	25	75	100	4
35542	Maritime Logistics and Documentation	25	75	100	4
35543	Air Cargo Logistics	25	75	100	4
35544	Logistics Marketing and Technology	25	75	100	4
35545	Growth Management	25	75	100	4
Total		125	375	500	20
Grand Total				2000	80

35511-MANAGEMENT PRINCIPLES AND PRACTICES

Objectives:

- To introduce the basic concepts of Management functions and principles
- To learn the scientific decision making and modern trend in the management process
- To understand the contemporary practices and issues in management

BLOCK I: BASIC CONCEPTS OF MANAGEMENT

- UNIT 1 Management: Definition – Nature, Scope and Functions – Evolution of Management – Management thought in modern trend – Patterns of the management analysis – Management Vs. Administration - Management and Society: The external Environment, Social Responsibility and Ethics.
- UNIT 2 Management Science and Theories : Contributions of FW Taylor, Henri Fayol, Elton Mayo, Roethlisberger, H.A.Simon and P.F Drucker - Universality of Management - Relevance of management to different types of organization.
- UNIT 3 Planning: Nature and Purpose – Principles and planning premises – Components of planning as Vision, Mission, Objectives, Managing By Objective (MBO) Strategies, Types and Policies -Planning and Decision Making: Planning process.
- UNIT 4 Decision making: Meanings and Types – Decision-making Process under Conditions of Certainty and Uncertainty – Rational Decision Making Strategies, Procedures, Methods, Rules, Projects and Budgets.

BLOCK II: RECRUITMENT AND SELECTION

- UNIT 5 Organizing: Nature, Importance, Principles, purpose and Scope - Organizing functions of management – Classifications of organization – Principles and theories of organization – Effective Organizing – Organizational Culture and Global Organizing.
- UNIT 6 Organizational Structure – Departmentalization – Span of control – Line and staff functions – Formal and Informal Groups in Organizations - Authority and responsibility - Centralization and decentralization – Delegation of authority – Committees – Informal organization.
- UNIT 7 Staffing: General Principles of Staffing- Importance, techniques, Staff authority and Empowerment in the organization – Selection and Recruitment - Orientation - Career Development - Career stages – Training – Performance Appraisal.
- UNIT 8 Creativity and Innovation – Motivation - Meaning – Importance – Human factors of Motivation – Motivation Theories: Maslow, Herzberg, Mc Gregor (X&Y), Ouchi (Z) ,Vroom, Porter-Lawler, McClelland and Adam – Physiological and psychological aspects of motivation .

BLOCK III: FUNCTIONS OF MANAGEMENT

- UNIT 9 Directing : Meaning, Purpose, and Scope in the organization – Leadership: Meaning, Leadership styles, Leadership theories: Trait, Contingency, Situation,

Path-Goal, Tactical, Transactional, Transformational and Grid. Leaders: Type, Nature, Significance and Functions, Barriers, Politics and Ethics. Leader Vs. Manager.

UNIT 10 Communications: Meaning – Types – Process – Communication in the decision making – Global Leading - Effective communication in the levels of management. – Uses of Communication to Planning, Organizing, coordinating and controlling.

UNIT 11 Co-ordination: Concept; Meaning, Characteristics, Importance in the organization, Co-ordination process and principles - Techniques of Effective co-ordination in the organization - Understanding and managing the group process.

BLOCK IV: BUSINESS ETHICS WITH NEW PERSPECTIVES IN MANAGEMENT

UNIT 12 Business ethics: Relevance of values in Management; Holistic approach for managers indecision-making; Ethical Management: Role of organizational culture in ethics – Ethics Committee in the organization.

UNIT 13 Controlling: Objectives and Process of control Devices of control – Integrated control – Special control techniques- Contemporary - Perspectives in Device of Controls

UNIT 14 New Perspectives in Management - Strategic alliances – Core competence – Business process reengineering – Total quality management – Six Sigma- Benchmarking- Balanced Score-card.

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93. Gene Burton and Manab Thakur, Management Today: Principles and Practice, Tata McGraw Hill.
94. Ricky W. Griffin, Management, South-Western College Publications, 2010
95. Stephen P. Robbins and Mary Coulter, Management, 9th Edition, 2006.
96. Kaplan and Norton, The Strategy-Focused Organization: How Balanced Scorecard Companies Thrive in the New Business Environment, HBP, 2000.

35512 - ORGANIZATIONAL BEHAVIOUR

Objectives:

- To understand the personality traits and influence on the organization.
- To imbibe the necessary conceptual understanding of behaviour related people
- To learn the modern trends, theories and changes in organizational Behaviour.

BLOCK I: BASICS OF ORGANISATIONAL BEHAVIOUR

- UNIT 1 Organizational Behaviour: History – Meaning Elements – Evolution, Challenges and opportunities – Trends – disciplines – Approaches – Models – Management functions relevance to organizational Behaviour – Global Emergence of OB as a discipline.
- UNIT 2 Personality – Determinants, Structure, Behaviour, Assessment, Individual Behaviour: Personality & Attitudes- Development of personality – Nature and dimensions of attitude – Trait Theory – Organizational fit – Organizational Commitment
- UNIT 3 Emotions – Emotional Intelligence – Implications of Emotional Intelligence on Managers – EI as Managerial tool – EI performance in the organization – Attitudes: Definitions – Meaning – Attitude relationship with behaviour – Types – Consistency
- UNIT 4 Individual Behaviour and process of the organization: Learning, Emotions, Attitudes, Perception, Motivation, Ability, Job satisfaction, Personality, Stress and its Management – Problem solving and Decision making – Interpersonal Communication - Relevance to organizational behaviour.

BLOCK II: ORGANISATIONAL SOURCES AND MANAGEMENT

- UNIT 5 Group Behaviour: Group Dynamics - Theories of Group Formation - Formal and Informal Groups in organization and their interaction - Group norms – Group cohesiveness – Team: Importance and Objectives - Formation of teams – Team Work- Group dynamics – Issues - Their relevance to organizational behaviour.
- UNIT 6 Organizational Power: Organizational Power: Definition, Nature, Characteristics - Types of powers - Sources of Power - Effective use of power – Limitations of Power – Power centre in Organization.
- UNIT 7 Organizational Politics: Definition – Political behaviour in organization - Factors creating political behaviour – Personality and Political Behaviour - Techniques of managing politics in organization – Impact of organizational politics.
- UNIT 8 Organizational Conflict Management: Stress Management: Meaning – Types – Sources and strategies resolve conflict – Consequences – Organizational conflict: Constructive and Destructive conflicts - Conflict Process - Strategies for encouraging constructive conflict - Strategies for resolving destructive conflict.

BLOCK III: ORGANISATIONAL CLIMATE AND CULTURE

- UNIT 9 Organizational Dynamics: Organizational Dynamics – Organizational Efficiency, Effectiveness and Excellence: Meaning and Approaches – Factors affecting the organizational Climate.
- UNIT 10 Organizational Culture: Meaning, significance – Theories – Organizational Climate – Creation, Maintenance and Change of Organizational Culture – Impact of organizational culture on strategies – Issues in Organizational Culture.
- UNIT 11 Inter personal Communication: Essentials, Networks, Communication technologies – Non-Verbal communications Barriers – Strategies to overcome the barriers. Behavioral Communication in organization - Uses to Business

BLOCK IV: CHALLENGES AND ORGANISATIONAL DEVELOPMENT

- UNIT 12 Organizational Change: Meaning, Nature and Causes of organizational change Organizational Change –Importance – Stability Vs Change – Proactive Vs. Reaction change – the change process – Resistance to change – Managing change.
- UNIT 13 Organizational Behaviour responses to Global and Cultural diversity, challenges at international level, Homogeneity and heterogeneity of National cultures, Differences between countries.
- UNIT 14 Organizational Development: Meaning, Nature and scope – Features of OD – OD Interventions- Role of OD – Problems and Process of OD – process OD and Process of Intervention - Challenges to OD- Learning Organizations - Organizational effectiveness Developing Gender sensitive workplace

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79. Stephen P. Robbins, Organizational Behaviour, Prentice Hall; 2010
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84. Judith R. Gordon, A Diagnostic Approach to Organizational Behaviour, Allyn & Bacon, 1993.

35513 - MANAGERIAL ECONOMICS

Objectives:

- To understand the economic principles and its applications in business
- To develop economics based analytic skills for business
- To make the learners to strong in economical approach

BLOCK I: BASICS OF MANGERIAL ECONOMICS

- UNIT 1 Economics: Introduction – Meaning, nature and scope of Managerial Economics – General Foundations of managerial Economics – Economic Approach – Working of Economic system - Circular flow activities - Economics & Business Decisions - Relationship between Economic theory and Managerial Economics.
- UNIT 2 Business Decisions: Role of managerial Economics in Decision making – Decision making under Risk and Uncertainty - Concepts of Opportunity cost, - Production possibility curve – Incremental Concepts - Cardinal and Ordinal approaches to consumer Behaviour Time Value of Money –
- UNIT 3 Consumer Behaviour: Marginalism – Equilibrium and Equi-marginalism and their role in business decision making. – Equi-Marginal principles – Utility analysis – Total and Marginal Utility – Law of diminishing marginal utility – Marshallian approach and Indifference curve analysis.
- UNIT 4 Demand analysis: Meaning, Functions - Determinants of demand-Law of Demand – Demand Estimation and Forecasting - Applications of demand in analysis - Elasticity of Demand: Types, Measures and Role in Business Decisions.

BLOCK II: DEMAND AND SUPPLY MANGEMENT

- UNIT 5 Supply Analysis: Determinants of supply- Elasticity of Supply- Measures and Significance - Derivations of market demand – Demand Estimation and Forecasting- Demand and Supply equilibrium – Giffen Paradox
- UNIT 6 Production Functions: Managerial uses of production function - Cobb-Douglas and other production functions - Isoquants – Short run and long run production function – Theory of production – Empirical estimations of production functions.
- UNIT 7 Forms of Markets: Meaning and Characteristics - Market Equilibrium: Practical Importance, Market Equilibrium and Changes in Market Equilibrium. Pricing Functions: Market Structures - Pricing and output decisions under different competitive conditions: Monopoly Monopolistic completion and Oligopoly
- UNIT 8 Strategic Behaviour of the firms and Game Theory - Nash Equilibrium: Implications – Prisoner's Dilemma: Types of strategy – Price and Non price competition – Relation to the firm behaviour.

BLOCK III: COST AND BREAK FROM POINTS

- UNIT 9 Cost and Return: Cost function and cost output relationship – Economics and Diseconomies of scale - Cost control and cost reduction- Cost Behaviour and Business Decision- Relevant costs for decision-making- Traditional and Modern theory of Cost.
- UNIT 10 New Product Penetrative Decision and Skimming the cream Pricing- Government control over pricing - Concept of Profit- Types and Theories of Profit by Knight (Uncertainty), Schumpeter (Innovation), Clark (Dynamic) and Hawley (Risk) - Profit maximization – Cost volume profit analysis – Risk and Return Relationship.
- UNIT 11 Profit and Investment Analysis: Meaning – Measurement of profit – Theories of Pricing- Profit planning and forecasting- Profit and Wealth maximization – Cost volume profit analysis – Investment analysis and Evaluation: IRR, NPV and APV techniques.

BLOCK IV: MACRO ECONOMICS AND REGULATIONS

- UNIT 12 Macro-economic Factors: Nature, Importance ; Economic Growth and Development - Business cycle – Phases and Business Decision- Inflation - Factors causing Inflation and Deflation - Control measures – Balance of payment Trend and its implications in managerial decision.
- UNIT 13 National Income: Introduction Meaning – Theories – Methods of Measurement - Sectoral and Population distributions – Per capita Income: Definition – Calculations – Uses – Limitations – GDP – GNP - Recent developments in Indian Economy.
- UNIT 14 Economic Regulations of Business: Introduction – Antitrust theory and Regulations – The structure – Conduct – Performance paradigm – Concentration: Overview – Measuring concentration – Regulation of Externalities.

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131. Joel Dean, Managerial Economics, Prentice-Hall.

35514 - QUANTITATIVE TECHNIQUES

Objectives:

- To help develop analytical skills based on problem solving approach
- To learn quadrature problems solving of business issues.
- To acquire the knowledge in statistics and their use in business decision making.

BLOCK I: BASICS OF QUANTITATIVE TECHNIQUES

- UNIT 1 Basic Quantitative Concepts: Place of quantitative analysis in the practice of management – Problem definition: Models and their development. Variables notion of Mathematical models – concept of trade off – Notion of constants – concept of Interest.
- UNIT 2 Basic Concept of differentiation – integration – Optimization concepts – use of differentiation for optimization of business problem Optimization Statistics: Meaning and Applications of Statistics in business decision making and research - Collection, Tabulation and presentation of data - Measures of central tendency: Mean, Median and Mode. Measures of dispersion
- UNIT 3 Variables and function: Linear and Non-linear –Graphical representation of functions and their applications in cost and revenue behavior. Slope and its relevance –Use of functional relationships to understand elasticity of demands, Relationship between costs and level of activity, Decisions on Minimizing Costs and Maximizing output/profits.
- UNIT 4 Linear Programming: Introduction to the linear programming – Concepts of optimization- Formulation of different types of linear programming –Standard form of LP problems - Importance and practical implementation in Industry

BLOCK II: LINEAR PROGRAMMING PROBLEMS

- UNIT 5 Simple regression and Correlation analysis: Introduction, Correlation, Correlation analysis, linear regression analysis and Co-efficient. Duality and sensitivity analysis for decision-making- Solving LP using graphical and simplex method (only simple problems) – Interpreting the solution for decision-making
- UNIT 6 Special Algorithms of LPP: Transportation Algorithm - Balanced and Unbalanced Problem Formulation and solving methods: North West Corner, Vogel's Approximation-MODI method- Assignment and Travelling Executive Algorithms
- UNIT 7 Theory of Probability: Introduction to the Concept – Development of probability – Areas and Utilisation of probability theories in the Business – Sample space – terminology – Types of probability.
- UNIT 8 Theoretical Probability Distributions: Introduction - Concept of events – Probability of events – Joint, conditional and marginal probabilities Probability

distributions: Binomial, Poisson and Normal – Features and Applications – Use of Normal Tables.

BLOCK III: OPERATIONAL RESEARCH AND SIMULATION TECHNIQUES

UNIT 9 Operational research for Decision Making: Historical background and Developments – Definition – Phases in the use of Operations research – Models – Characteristics of quantitative methods - Benefits and Limitations of Quantitative methods.

UNIT 10 Sequencing /Scheduling Methods : Concepts – terminology – Notations – Assumption for scheduling models – Job sequencing priorities – Processing the job and Mass production system.

UNIT 11 Simulation Techniques: Introduction to simulation as an aid to decision-making- Advantages and Disadvantages of Simulation – Applications of simulations models – Types: Inventory, Cash, and Project – Random Numbers.

BLOCK IV: QUERY AND DECISION TREE ANALYSIS

UNIT 12 Queuing Theory: Introduction – Definition – Queue priorities Product launching problems using Monte Carlo simulation- Queuing Theory: M/M/1 queuing model and applications.

UNIT 13 Decision Analysis: Concepts – Definition – Decision Tables Pay-off and Loss tables – Expected value of pay-off – Expected value of Perfect Formation – decision making process

UNIT 14 Decision Tree Analysis: Decision making environments – Concept of Posterior probabilities Decision Tree approach to choose optimal course of action Criteria for decision – Mini-max, Maxi-max, Minimizing Maximal Regret and their applications.

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35515 - FINANCIAL AND MANAGEMENT ACCOUNTING

Objectives:

- To enable the students to learn basic accounting principles, concepts.
- To practice Financial and Management accounting applications
- To make the learners familiarize in managerial decision making.

BLOCK I: BASICS OF FINANCIAL AND MANAGEMENT ACCOUNTING

- UNIT 1** Accounting: Definition – Accounting for historical function and managerial function - Types of Accounting- Management, Management and Cost accounting – Scope for Accounting-Managerial Uses of Management accounting and Financial Accounting.
- UNIT 2** Accounting Concepts and Conventions – Accounting standards - Financial Accounting Definitions – Principles – Accounting standards - Double entry system of accounting: Accounting books – Preparation of journal and ledger, subsidiary books.
- UNIT 3** Preparation of Trial Balance – Errors and rectification – Classifications of capital and Revenue – Fixed Assets and Depreciation accounting – Preparation of

Manufacturing accounting- Preparation of Final Accounts - Accounting from incomplete records – Statements of affairs methods

- UNIT 4 Conversion methods – Preparation of Trading, Profit & Loss Account and Balance Sheet from incomplete records – Depreciation methods - Straight line method, Written down value method, Sinking fund method.

BLOCK II: FINANCIAL RATIO ANALYSIS

- UNIT 5 Financial Statement Analysis - Objectives - Reorganizing the Financial Statement information -Techniques of Financial Statement Analysis: Comparative Statements, Common – Size statement, Trend Percentage -

- UNIT 6 Management Statement Analysis: Management statements – Nature of management statements – Limitations of management statements – Analysis of interpretation -Types of analysis- Tools of analysis: Trend analysis, Common size statements and Comparative statements;

- UNIT 7 Accounting Ratios: Construction of balance sheet using ratios (problems) – Financial ratios – Types: Profitability ratios – Turnover ratios – Liquidity ratios – Proprietary ratios – Market earnings ratios- Uses and limitations of ratios - Dupont analysis.

- UNIT 8 Fund Flow Analysis: Need and meaning – Preparation of schedule of changes in working capital and the fund flow statement – Workings for Computation of various sources and uses - Preparation of Fund Flow Statement

BLOCK III: CASH FLOW ANALYSIS

- UNIT 9 Cash flow Analysis: Meaning and importance Managerial uses of cash flow statement – Differences between fund flow and cash flow analysis - Uses and limitation of fund flow statement- Preparation of cash flow statement

- UNIT 10 Cost Accounting: Cost Accounting - Meaning - Distinction between Financial Accounting and Cost Accounting - Cost Terminology: Cost, Cost Centre, Cost Unit - Elements of Cost - Cost Sheet – Problems - Overhead Cost Allocations: Over and under Absorption. Job and Contract Costing,

- UNIT 11 Operating Costing: Material Cost Accounting, Perpetual Inventory Control, Inventory Valuation, EOQ, ABC Analysis, Setting of Reorder Level, Maximum Level, Minimum Level, Labour Cost Accounting, Remuneration and Incentive Schemes- Reconciliation of Financial and Cost Accounting

BLOCK IV: COSTING AND CAPITAL BUDGETING

- UNIT 12 Marginal Costing: Definition – Difference between marginal costing and absorption costing – Break- even point Analysis - Contribution, p/v Ratio,

margin of safety - Decision making under marginal costing system-key factor analysis, make or buy decisions, export decision, sales mix decision-Problems

UNIT 13 Budgeting and Budgetary Control: Concept and Need for Budgeting-Classification of budgets – Preparation of Sales, Production, Material, Purchase and Cash Budgets –Budgetary control system – Mechanism – Master budget.

UNIT 14 Capital Budgeting System: Importance – Methods of capital expenditure appraisal – Payback period method – ARR method – DCF methods – NPV and IRR methods – Their rationale – Capital rationing.

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- 116.Manmohan & Goyal, Principles of Management Accounting, Shakithabhavan Publication.
- 117.N. K. Prasad,Advanced Cost Accounting, Book Syndicate Pvt. Ltd., Calcutta.
- 118.Andrew A Haried, Advanced Accounting, Atlantic Publishers.
- 119.Hoyle,Advanced Accounting, McGraw Hill.

35521 - RESEARCH METHODS

Objectives:

- To Understand the basic principles of research and design
- To practice the research process, tools and techniques
- To facilitate managerial decision making

BLOCK I: FUNDAMENTALS OF RESEARCH

- UNIT 1 Research Bases: Definition and applications of business research; Types of research –descriptive, exploratory, correlational, explanatory, quantitative, qualitative; Steps in the research process; establishing operational definitions
- UNIT 2 Research scope - Recent advancements in research. Distinction between Pure & Applied, Historical & Futuristic, Analytical & Synthetic, Descriptive & Prescriptive, Survey & Experimental and Case & Generic Researches
- UNIT 3 Planning of Research: Research problem – Identification, selection and formulation of research problem – Review of literature in the field of business - Identifying objectives of the research.
- UNIT 4 Economic management: Use in identifying Research Gaps and Techniques – Hypothesis – Meaning – Sources and Types of Hypothesis – Hypothesis Formulation for testing – Research design – Factors affecting research design – Evaluation of research design

BLOCK II: SAMPLING AND ITS TYPES

- UNIT 5 Variables construction for Hypothesis: Identifying variables - Constructing hypotheses – functions, characteristics, types of hypotheses - Significance of research in social sciences – Induction and deduction.
- UNIT 6 Sampling Design: Census method and sampling method for investigation – Principle of sampling – Essentials of a good sampling – sampling frame; Methods of sampling: Probability, non-probability, mixed sampling designs;
- UNIT 7 Construction of sampling for Finite and Infinite populations – Sample size determination– Calculations - Factors affecting the size of the sample – Biased sample – Sampling and non-sampling errors.
- UNIT 8 Sources and Collection of Data: Sources of data – Primary and secondary data – Modes of data collection – Observation: Types and Techniques –Interview: Types and conduct – Preparation for an interview – Effective interview techniques – Limitations of interview

BLOCK III: TOOLS OF DATA COLLECTION

- UNIT 9 Schedule: Meaning and kinds – Essentials of a good schedule – Procedure for the formulation of a schedule – Questionnaire: Meaning and types – Format of a good questionnaire– Schedules Vs. Questionnaires
- UNIT 10 Scaling techniques: Meaning, Importance, Types of measurement scales – Nominal, Ordinal, Interval, Ratio; Methods of their construction of Questionnaires or Schedules – Pre-testing of Data Collection Tools- Validity and Reliability – Methods.
- UNIT 11 Processing and Analysis of Data: Meaning – Importance – Process of data analysis – Editing – Coding – Tabulation – Diagrams – Univariate, Bivariate and Multi-variant analysis

BLOCK IV: HYPOTHESIS AND REPORT WRITING

- UNIT 12 Test of Significance: Fundamentals on Test Procedure- Testing for significance of Mean/Proportion and difference between Means/Proportions- F Test for Means and Chi-square test Contingency Table - Parametric Test: T test, F Test and Z test
- UNIT 13 Non-parametric Test: Concept and Types: Mann Whitney Test- Test, Kruskal Wallis, sign test. Multivariate analysis-factor, cluster, MDS, Discriminant analysis - The process of interpretation of Test Results– Guidelines for making valid interpretation
- UNIT 14 Report Writing : Role and types of reports – Contents of research report – Steps involved in drafting reports – Principles of good report writing – Grammatical Quality – Language flow- Data Support- Diagrammatic Elucidation- References and Annotations – Clarity and Brevity of expressions- Features of a good Report- Criteria for evaluating research reports/ research findings.

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9. Pauline V Young, Scientific Social Surveys and Research, Prentice-Hall, (Digitalized) 2007.
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35522 - BUSINESS ENVIRONMENT

Objectives:

- To understand the concepts and constituents of Business environment
- To know the environmental issues in the business context
- To analyze the changes in the global environmental relating to business

BLOCK I: BASICS OF BUSINESS ENVIRONMENT

- UNIT 1 Business Environment: Introduction: Concepts – Significance - Dynamic factors of environment – Importance of scanning the environment – Macro and Micro Environment – Micro and Macro Economics to the business – Constituents of Business environment
- UNIT 2 Fundamental issues captured in PESTLE– Political, Economic, Socio-cultural, Technological, Legal and Ecological environment- Opportunities and Threats as environmental issues to address by Businesses.
- UNIT 3 Political Environment: Government and Business – Political Systems, Political Stability and Political Maturity as conditions of business growth - Role of Government in Business: Entrepreneurial, Catalytic, Competitive, Supportive, Regulative and Control functions
- UNIT 4 Government and Economic planning: Industrial policies and promotion schemes – Government policy and SSI – Interface between Government and public sector - Guidelines to the Industries – Industrial Development strategies; salient features, Role of public and private sectors, Comparative cost dynamics.

BLOCK II: ECONOMIC AND INTERNAL ENVIRONMENT

- UNIT 5 Economic Environment: Phase of Economic Development and its impact- GDP Trend and distribution and Business Opportunities – capacity utilisation – Regional disparities and evaluation - Global Trade and investment environment.
- UNIT 6 Financial System and Business capital: Monetary and Fiscal policies - Financial Market structure – Money and Capital markets – Stock Exchanges and Its regulations – Industrial Finance - Types, Risk - Cost-Role of Banks; Industrial Financial Institutions - Role of Management Institutions
- UNIT 7 Role of Central Bank- Fiscal System: Government Budget and Taxation Measures- Fiscal Deficits and Inflation- FDI and collaboration –Foreign Capital tapping by businesses- Export-Import policy – Foreign Exchange and Business Development.
- UNIT 8 Labour Environment: Labour Legislation – Labour and social securities – Industrial Relations – Trade Unions – Workers participation in management – Exit Policy – Quality Circles.

BLOCK III: SOCIAL AND TECHNOLOGICAL ENVIRONMENT

- UNIT 9 Social and Technological Environment: Societal Structure and Features- Entrepreneurial Society and its implications for business – Social and cultural factors and their implications for business- Technology Development Phase in the Economy as conditioner of Business Opportunities
- UNIT 10 Technology Environment: Technology Policy- Technology Trade and transfer- Technology Trends in India- Role of Information Technology – Clean Technology. – Time lag in technology – Appropriate technology and Technology adoption- Impact of technology on globalization.
- UNIT 11 Legal and Ecological Environment: Legal Environment as the all-enveloping factor from inception, location, incorporation, conduct, expansion and closure of businesses – IDRA and Industrial licensing – Public, Private, Joint and Cooperative Sectors.

BLOCK IV: NEW ECONOMIC POLICY AND LEGAL ENVIRONMENT

- UNIT 12 Legal Aspects of Entering Primary and Secondary Capital Markets- Law on Patents- Law on Consumer Protection- Law on Environmental Protection- Need for Clean energy and Reduction of Carbon footprint.
- UNIT 13 New Economic Policy Environment in India: Liberalization, Privatization and Globalization (LPG): Efficiency Drive through Competition- Facets of Liberalization and impact on business growth
- UNIT 14 Aspects of Privatization and impact on business development– Globalization and Enhanced Opportunities and Threats – Extended competition in Input and Output Markets Role of WTO, IMF and World Bank in global economic development.

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91. Maheswari& Gupta, Government, Business and Society.

35523 - BUSINESS LAWS

Objectives:

- To understand the legal structure and provision for running a business
- To learn various acts, enactments and amendments of mercantile law
- To know the various aspects of Business law for legal process.

BLOCK I: BASICS OF BUSINESS LAW

- UNIT 1 Indian Contract Act 1872: Contract – Meaning – Essential elements – Nature and formation of contract: Nature, elements, Classifications of Contracts on the basis of Validity, Formation and Performance– offer and acceptance
- UNIT 2 Offer and Acceptance: Introduction – Proposal – acceptance – Communications of offer, Acceptance and Revocations – Offer and acceptance by Post.
- UNIT 3 Consideration: Definitions, Types of consideration – essentials of Consideration – Privity of Contracts: Exceptions – Capacity: Consent – Legality of object – Quasi contract Discharge of contract - Remedies for breach of contract – Quasi contracts.
- UNIT 4 Special Contracts: Contract of Indemnity and Guarantee – Bailment and Pledge – Law of Agency-Definition – Rights of Surety -Discharge of Surety – Bailment and Pledge: Introduction, Classifications, Duties and Rights of Bailer and Bailee – termination of Bailment -

BLOCK II: PARTNERSHIP AND COMPANY ACT

- UNIT 5 Formation of contract under Sale of Goods Act, 1930: Contract of sale - Conditions and Warranties - Transfer of property - Performance of the contract: Essentials of valid tender performance, Performance reciprocal promise- Rights of an unpaid seller.
- UNIT 6 Laws on Carriage of Goods: Duties, Rights and Liabilities of Common Carriers under: (i) The Carriers Act, 1865. (ii) The Railways Act, 1989, (iii) The Carriage of Goods by Sea Act, 1925, (iv) The Carriage by Air Act, 1972 and (v) The Carriage By Road Act, 2007
- UNIT 7 Negotiable Instruments Act, 1881: Negotiable Instruments: Features – Types- Parties – Material alteration – Parties to negotiable instruments – Presentations of negotiable instrument.
- UNIT 8 Insurance: Definition and sources of Law – Judicial set up in India — Insurance as a contract -History of Insurance Legislation in India - Legal principles - Fundamental Principles of Life Insurance Fire Insurance and Marine Insurance.

BLOCK III: IPR AND IT

- UNIT 9 Indian Partnership Act, 1932: Meaning and test of partnership – registration of firms Life Insurance Corporation Act 1956 – General Insurance Business Nationalization Act 1973.
- UNIT 10 Partners Relations: Introduction – Eligibility to be a partner – Registration of change in partner – Limited Liabilities of partnership - Dissolution of firms - Characteristics – Kinds – Incorporation of Companies – Memorandum of Association – Articles of Association
- UNIT 11 Companies Act 1956: Nature and kinds of companies – Prospectus – Disclosure Needs - Management and Administration – Director – Appointment, Powers and Duties

BLOCK IV: MSME

- UNIT 12 Formation of a Company : Introduction – process - Minutes and Resolutions – E-Filing of documents under Ministry of Corporate Affairs (MCA) 21- Management of companies –Meetings- Types- Requirements -AGM and EGM – Board Meeting
- UNIT 13 Law of Information Technology: Introduction – Rationale behind IT act 2000 – Information technology Act 2000: Scheme of the IT Act 2000: Digital signature: attribution; Acknowledgement and dispatch of Electronics Record – Regulation certifying authorities.
- UNIT 14 Protection of minority interest: Introduction - Methods of Winding-up - The Right to Information Act, 2005 Right to know, Salient features of the Act, obligation of public Authority, Designation of Public Information officer, Request for obtaining information,

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35524 - MANAGEMENT INFORMATION SYSTEM

Objectives:

- To learn the principles of Management Information System for organizations
- To understand the uses , function of application MIS in organization
- To analyze the scope of MIS for business organizations

BLOCK I: BASICS OF MANAGEMENT INFORMATION SYSTEM

- UNIT 1 Foundations of Information System: Information system: Meaning, Role – System concepts – Organization as a system – Components of Information system – Various activities of IS and Types of IS
- UNIT 2 Information System: Concepts of Information System and Management information systems design and development-Implementation testing and conversion- Evolution and element of MIS
- UNIT 3 MIS : Definition – Characteristics and basic requirements of MIS – Structure of MIS- Approaches to MIS development- Computerized MIS- Pre-requisites of an effective MIS- Limitations of MIS.
- UNIT 4 MIS and Decision support System (DSS): MIS Vs. data processing – MIS and decision support system – MIS and information resource management – DSS and AI – Overview of AI - DSS models and software.

BLOCK II: COMMUNICATION USAGE OF MIS

- UNIT 5 MIS and Operations Research- Executive information and Decision support systems – Artificial intelligence and expert system – Merits and De Merits – Pitfalls in MIS.
- UNIT 6 MIS in Indian organizations – Recent developments in information technology - Installation of Management Information & Control System in Indian organization
- UNIT 7 Computers and Communication: Information technology and Global integration –On-line information services – Electronic bulletin board systems – The internet, electronic mail, interactive video
- UNIT 8 Communication Channels: Advantages disadvantages – Communication networks – Local area networks – Wide area networks – Video conferencing- Relevance to MIS- Usage in Business process.

BLOCK III: MIS FUNCTIONS AND FEATURES

- UNIT 9 Functional Information systems: MIS for Research Production - MIS for Marketing - MIS for Personnel - MIS for Finance - MIS for Inventory- MIS for Logistics- MIS for Product Development- MIS for Market Development.

UNIT 10 Client/ Server Computing: Communication servers – Digital networks – Electronic data interchange and its applications - Enterprise resource planning systems (ERP Systems) – Inter-organizational information systems – Value added networks – Networking.

UNIT 11 Electronic Commerce and Internet: E-Commerce bases – E-Commerce and Internet – M-Commerce- Electronic Data Inter-change (EDI) - Applications of internet and website management - Types of Social Media - uses of social media in business organization

BLOCK IV: COMPUTER SYSTEMS AND ETHICAL CHALLENGES OF MIS

UNIT 12 Computer System and Resources: Computers systems: Types and Types of computer system processing - Secondary storage media and devices – Input and output devices – Hardware standards – Other acquisition issues.

UNIT 13 Managing Information Technology: Managing Information Resources and technologies – IS architecture and management - Centralized, Decentralized and Distributed - EDI, Supply chain management & Global Information technology Management.

UNIT 14 Security and Ethical Challenges: IS controls - facility control and procedural control - Risks to online operations - Denial of service, spoofing - Ethics for IS professional - Societal challenges of Information technology

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35525 - HUMAN RESOURCE MANAGEMENT

Objective:

- To understand the concepts and methods and techniques of Human Resource Management
- To know the Human resource management theories and real time practices
- To identify the contemporary issues in human resource management

BLOCK I: BASICS OF HUMAN RESOURCE MANAGEMENT

- UNIT 1: Introduction to Human Resource Management: Concept, Definition, Objectives, Nature and Scope of HRM - Functions of HRM – Evolution of human resource management - Role and structure of Human Resource Function in organizations- Challenges in Human Resource Management
- UNIT 2 Human Resource Management Approaches: Phases of human resource Management- The importance of the human factor – Competitive challenges of HRM – HRM Models – Roles and responsibilities of HR department.
- UNIT 3 Human Resource Planning: Personnel Policy - Characteristics - Role of human resource manager – Human resource policies – Need, Scope and Process – Job analysis – Job description – Job specification- Succession Planning.
- UNIT 4 Recruitment and Selection Process: Employment planning and forecasting Sources of recruitment- internal Vs. External; Domestic Vs. Global sources- Selection process Building employee commitment : Promotion from within - Sources, Developing and Using application forms – IT and recruiting on the internet.

BLOCK II: RECRUITMENT & SELECTION

- UNIT 5 Employee Testing & selection : Selection process, basic testing concepts, types of test, work samples & simulation, selection techniques, interview, common interviewing mistakes, Designing & conducting the effective interview, small business applications, computer aided interview.
- UNIT 6 Training and Development: Orientation & Training: Orienting the employees, the training process, need analysis, Training techniques, special purpose training, Training via the internet. - Need Assessment - Training methods for Operatives and Supervisors
- UNIT 7 Executive Development: Need and Programs - Computer applications in human resource management – Human resource accounting and audit. On-the - job and off-the-job Development techniques using HR to build a responsive organization
- UNIT 8 Employee Compensation : Wages and Salary Administration – Bonus – Incentives – Fringe Benefits –Flexi systems - and Employee Benefits, Health and Social Security Measures,

BLOCK III: EMPLOYEES APPRAISALS

- UNIT 9 Employee Retention: Need and Problems of Employees – various retention methods– Implication of job change. The control process – Importance – Methods – Employment retention strategies for production and services industry
- UNIT 10 Appraising and Improving Performance: Performance Appraisal Programs, Processes and Methods, Job Evaluation, Managing Compensation, Incentives Performance appraisal: Methods - Problem and solutions - MBO approach - The appraisal interviews - Performance appraisal in practice.
- UNIT 11 Managing careers: Career planning and development - Managing promotions and transfers - Sweat Equity- Job evaluation systems – Promotion – Demotions – Transfers- Labour Attrition: Causes and Consequences

BLOCK IV: APPRAISAL AND TRAIL UNION

- UNIT 12 Employee Welfare, Separation: Welfare and safety – Accident prevention – Employee Grievances and their Redressal – Industrial Relations - Statutory benefits - non-statutory (voluntary) benefits – Insurance benefits - retirement benefits and other welfare measures to build employee commitment
- UNIT 13 Industrial relations and collective bargaining: Trade unions – Collective bargaining - future of trade unionism - Discipline administration - grievances handling - managing dismissals and workers Participation in Management- Separation: Need and Methods.
- UNIT 14 Human Resource Information System- Personnel Records/ Reports- e-Record on Employees – Personnel research and personnel audit – Objectives – Scope and importance.

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35531 - MARKETING MANAGEMENT

Objectives:

- To help the learners understand markets, consumers and marketing principles.
- To understand the buyer behaviour and influencing factors
- To learn marketing plan, pricing, promotion and distribution in global context

BLOCK I: BASICS OF MARKETING MANAGEMENT

- UNIT 1 Introduction to Marketing: Meaning and Scope of Marketing; Marketing Philosophies; Marketing Management Process-an overview; Modern Marketing Concept: Social marketing concept – Approaches to the study of marketing.
- UNIT 2 Marketing segmentation: Meaning – Bases for segmentation, benefits – Systems approach - Four Ps of Product and Seven Ps Service marketing mix and Extensions- Targeting and Positioning - meaning and importance.
- UNIT 3 Marketing Environment: Internal and External and Demographic factors – Adopting marketing to new liberalized and globalized economy – Digitalization – Customization and E business settings.
- UNIT 4 Consumer Behaviour : Meaning and importance – Consumer buying process – Determinants and Theories of consumer behaviour – Psychological, sociological determinants – Theories and their relevance to marketing-

BLOCK II: MARKETING RESEARCH AND PROCESS

- UNIT 5 Marketing Research: Procedure. Meaning – Objectives – Process- Demand Forecasting- Marketing Information System – Strategic marketing plan and organization – Changing marketing practices.
- UNIT 6 Product Mix Management: Product planning and development – Meaning and process – Test marketing – Product failures – Product line management: Practices – Implications and Strategies for current market condition.
- UNIT 7 Product life cycles: Meaning and Stages – Strategies – Managing PLC- Product-Market Integration: Strategies – Product positioning – Diversification – Product line simplification – Planned obsolescence – Branding Policies and Strategies – Packing.
- UNIT 8 Price Mix Management: Pricing and pricing policies – Objectives – Procedures – Bases for and Methods of price fixing. Cases for Free Pricing, Administered and Regulated pricing – Pricing and product life cycle

BLOCK III: DISTRIBUTION MIX

- UNIT 9 Physical Distribution Mix: Types of physical Distribution - Importance of Physical Distribution- Distribution channel policy – Logistics Decisions – Methods – Strategic alliance for Logistic cost reduction.

UNIT 10 Marketing Channel system: Marketing channel decisions: Choice considerations– Managing Conflict and Cooperation in channels – Middlemen functions- Modern Trends in Retailing- Malls and Online.

UNIT 11 Promotional Mix: Personal selling Vs. impersonal selling – Personal selling – Process – Steps in selling – Management of sales force – Recruitment and selection – Training – Compensation plans – Evaluation of performance

BLOCK IV: ADVERTISING AND COMPETITOR ANALYSIS

UNIT 12 Integrated marketing communication Process: Advertising and sales promotion – Online Sales promotional activities – Public relationships – Direct marketing: Meaning, Nature, Growth and Channels.

UNIT 13 Advertising: Importance – Objectives – Media planning and selection – Factors influencing selection – Advertisement copy – Layout – Evaluation of advertising – Advertising budget – Sales promotion – Methods and practices.

UNIT 14 Competitor analyses: Identifying and analyzing the competitors – Types of Competitors – Competitive strategies framing for leaders, challengers, followers and nichers. Customer relationship marketing: Customer data base, Data ware housing and data mining

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35532 - FINANCIAL MANAGEMENT

Objectives:

- To help the students to know the basic concepts of financial management
- To understand capital structure, dividend policy and working capital management.
- To learn the various concepts of financial management along with applications

BLOCK I: BASICS OF FINANCIAL MANAGEMENT

- UNIT 1 Introduction: Financial management: objectives - Concept, nature, evaluation and significance – Finance Functions: Managerial and operative – Role of Financial management in the organization – Indian Financial system.
- UNIT 2 Financial System: Legal and Regulatory frame work – Financial Functions: Meaning and scope – Finance and Tax Management Nexus- Tax Avoidance and Tax evasion- Tax incentive and business decisions.
- UNIT 3 Investment Function: Meaning and scope - Time value of Money concepts and applications –Risk return relationship - Dividend function – Risk return trade off – Management planning- Global management environment
- UNIT 4 Long-term Capital Resources: Equity and debt sources – Equity share, preference shares – types of preference share - debentures – types - sources of long-term capital.

BLOCK II: CAPITAL STRUCTURE

- UNIT 5 Capital Issues: Meaning, Nature, Purpose – Roles and Guidelines of SEBI in capital issues- Bridge finance, loan syndication, Book building – Borrowings from the term lending institutions and International capital market- Tax considerations in financing decision areas.
- UNIT 6 Cost of Capital : Concept of cost of capital- Cost of debt, equity, preference share capital, retaining earning - Weighted average cost: EBIT –EPS Analysis- Tax, Capital structure and Value nexus - Computation of overall cost of capital – Tax and cost of capital.
- UNIT 7 Capital structure: Determinates - Concept and Types- Optimum capital structure – Theories of capital structure – Net income and net operative income approach – M.M. Approach – Traditional theory – Their assumptions – Significance and limitations – Management leverage operating leverage – Combined leverage.
- UNIT 8 Capital budgeting: Meaning, Nature and Types of Capital Investment- Methods of appraisal under certainty conditions: PBP, ARR, IRR and NPV techniques - Basic and International capital budgeting.

BLOCK III: SOURCES OF FINANCE

- UNIT 9 Uncertainty and Risk models: Simulation Analysis- Sensitivity analysis- Decision tree analysis- Certainty equivalent and risk-adjusted return measures-

- Tax considerations in Investment Decisions Cost of capital and Investment Decisions.
- UNIT 10 Working Capital Management: Definitions and Objectives - Concept and types – Determinants – Financing approaches – Conservative approaches - Sources of working capital finance Factors affecting working capital requirements- Working capital financing by commercial banks – Types of assistance
- UNIT 11 Inventories and receivables Management under conditions of certainty and uncertainty – Operating cycle – Planning of funds through the management of assets – Various techniques used.

BLOCK IV: WORKINGCAPITAL AND DIVIDEND POLICY

- UNIT 12 Cash and liquidity management: Credit Management and evaluation alternative credit variables Methods and Functions- Tax considerations in Remittances and Purchases.
- UNIT 13 Dividend Theories: Valuation under Gordon and Walter theories – Dividend irrelevance under M.M. Theory – Assumptions – Limitations - Implications and contributions of theories in financial decision making process.
- UNIT 14 Dividend Policy: Types – Share valuation practices – Factors affecting dividend decision – Tax considerations in dividend decision when tax is levied at the hands of companies and recipients.

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35533 - MODERN LOGISTICS OPERATIONS

Objective:

- To understand the modern logistics operation process
- To know the logistics operation techniques and types

BLOCK I: FUNDAMENTALS OF LOGISTICS OPERATIONS

UNIT 1 Logistics as a Support/Interface/Enabler of Production function: Logistics as a Support function of Procurement, Vendor Facilitation and Production- Logistics as interface function of Demand Forecasting,

UNIT 2 Global procurement, Tracking inward shipments, In-plant distribution and Storage Planning- Logistics as an enabler of Just-in-Time (JIT),

UNIT 3 Kanban (A scheduling system for lean inventory), Vendor Managed Inventory (VMI) for Vendors and the firm.

UNIT 4 Logistics as a Support/Interface/Enabler of Marketing function: Logistics as a Support function of Order Fulfilment, Assembling & Labelling from Multi-storage points, Consignment convergence/divergence and Delivery

BLOCK II: VARIOUS ASPECTS OF LOGISTICS

UNIT 5 Logistics as an interface of Market forecasting, Stock level management, invoice or sales documentation, picking materials, consolidation, packing, marking, preparing outbound documentation and shipping out by loading into containers- customer facilitation tracking out-bound shipments.

UNIT 6 EXIM Logistics: Special Aspects of Export logistics: Picking, Packing, Vessel Booking [Less-than Container Load(LCL) / Full Container Load (FCL)], Customs, Documentation, Shipment, Delivery to distribution centres, distributors and lastly the retail outlets-

UNIT 7 Import Logistics: Documents Collection- Valuing- Bonded Warehousing- Customs Formalities- Clearing- Distribution to units- Security & Insurance-

UNIT 8 Multimodal Transport- UN International convention on MT of Goods- Terminal Networks: Types and Roles.

BLOCK III: DEVELOPMENT AND FUNCTIONAL SUPPORT

UNIT 9 Logistics Service Providers: 3PL/4PL Services- Differences between 3PL & 4PL: 4PL Common Services for 3PL/4PL: Invoice management, call centers, warehouse/distribution facilities

UNIT 10 Carrier management- 4PL Specialties: Implementation Centre: Business process analysis/scoping, Development of all activities into an open systems framework- Product/Skill Centres: Supply chain engineering –4PL Value Added services: Knowledge Transfer, Business Development and Functional Support.

UNIT 11 Special Logistics: Inter and Multimodal Transport- Industrial Projects
Transportation- Trade Fairs and Events Transportation- International Supply
Chain Management-

BLOCK IV: IDENTIFICATION OF TECHNOLOGY

UNIT 12 Consolidation and Grouping- Logistics of Time Perishable - Logistics of Quality
Perishable- Life cycle logistics for Projects/Products- GS1 System of world-wide
supply-chain standards system.

UNIT 13 Logistics Information Systems: – Need, Characteristics and Design- E-Logistics –
Structure and Operation- Logistics Resource Management

UNIT 14 Automatic Identification Technologies- IT System Centre: Pure IT selection for
design and implementation/connectivity- Warehouse Simulation- Reverse
Logistics.

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35534 - PACKING AND PACKAGING MANAGEMENT

Objective:

- To understand the process of packing and packaging management
- To know the packing and packaging material and laws

BLOCK I: BASICS OF PACKING AND PACKAGING MANAGEMENT

- UNIT I Packing and Packaging: Meaning, Functions and Essentials of Packing- Packaging: Meaning, Functions and Essentials of Packaging- Difference between Packing and Packaging- Packing for Storage- Packing for Overseas Shipment- Packing for Inland-Transportation
- UNIT 2 Packaging for Product content Protection, Information, Promotion and comfort Handling- Test of packaging: Mechanical, Climatic & Lab test- International Care labelling code - Packaging cost.
- UNIT 3 Packaging Types: Primary, Secondary and Tertiary- Requirements of Consumer Packaging, Channel Member Packaging and Transport Packaging - Shrink packaging
- UNIT 4 Identification codes, [barcodes](#), and electronic data interchange ([EDI](#))- Universal Product Code- GS1 Standards- package labels- Symbols used on packages and labels- Heavy, Medium and small Packaging- [Active packaging](#)

BLOCK II: VISUAL AND BIODEGRADATION MARKETING

- UNIT 5 [Child-resistant packaging](#)- Pilfer/Tamper Evident/Proof Packaging- Product-Packaging compatibility- Pharma Packaging- Food Packaging- Electronic goods Packaging- FMCG packaging- Heavy Engineering Goods/Equipment Packaging.
- UNIT 6 Packing Considerations: Protection, Convenience, Environment, Use/Re-use- Cost and Competition – Packing as a systems approach to Logistics- Transport/Storage Requirements
- UNIT 7 Physical, Chemical Environmental, Biological Nature of the Products- Packing as Protection Against Hazards- Package design considerations: Structural design, marketing, shelf life, quality assurance, logistics, legal, regulatory, graphic design, end-use, environmental factors-
- UNIT 8 Packaging for Marketing and Visual Appeal- [Biodegradation](#) -[Recycling](#): Glass, [Plastic & Paper-Reuse](#)- [Environmental engineering](#) -[Industrial ecology](#) - [Sustainable packaging](#) -[Waste management](#).

BLOCK III: PACKAGING ECONOMICS

- UNIT 9 Packaging/Packing Materials & Components: Various Materials/Metals made Can, Bottle, Jar, Box, Barrel, Carton, Crate, Drum, Envelope, Keg, Bag, [Blister](#)

[pack](#), Pail, Pouch, Sachet, Skin-pack and Tube- Flexible, Folding, Insulated, Corrugated Packing Materials-

UNIT 10 Packing materials: Paper, Wood, [Adhesive](#), [Aluminium foil](#), [Cushioning](#)-stuff, [Packaging gas](#), [Pallet](#), [Paperboard](#), [Plastic wrap](#), [Shrink wrap](#), [Screw cap](#), [Slip sheet](#)- [Security printing](#)-[Strapping](#) -[Stretch wrap](#) -[Time temperature indicator](#)-[Tinplate](#).

UNIT 11 Packaging Economics: Packaging Cost Vs Product cost- Cost Reduction in Packaging- Packing for Inventory Control, Value Analysis- Packing and Value Engineering-

BLOCK IV: PACKAGING INDUSTRY AND DESIGN

UNIT 12 Packaging Laws- Consumer Protection in Food Packaging, Marking and Labelling, Eco-friendly Packaging for Exports- Scientific Packaging- Standardization in Packaging.

UNIT13 Packaging Industry Process and Machining: Packaging Demands of Consumer goods Industry- Packaging Demands of Industrial Users- Technology Trends in Packaging Industry – [Aseptic processing](#) -[Authentication](#) -[Automatic identification and data capture](#) -[Blow fill seal](#) - [Blow moulding](#) - [Containerization](#) -[Electronic article surveillance](#) –

UNIT 14 [Graphic Design](#) -[Induction sealing](#) -[Plastic welding](#) -[Printing](#) -[Quality assurance](#)-[Radio-frequency identification](#) -[Track and trace](#) -[Vacuum forming](#)- [Verification and validation](#) - [Barcode printer](#) -[Barcode reader](#) -[Bottling line](#) -[Carton machine](#)-[Check weighed](#) -[Conveyor system](#) -[Heat gun](#) - [Heat sealer](#) -[Industrial robot](#)-[Injection moulding machine](#) -[Logistics automation](#).

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35535 - RAIL - ROAD-LOGISTICS

Objective:

- To understand the transportation in logistics and processing
- To know the factors and facilities of logistics

BLOCK I: BASICS OF RAIL-ROAD-LOGISTICS

UNIT 1 Transportation in Logistics: Significance of transportation in Logistics: Utility created by transportation in Logistics- Transportation as a means of conquering time and space

UNIT 2 Features of In-bound, Out-bound, local and Medium, Long and continental transportation- Features of Logistics transportation- Advances in Logistics Transportation.

UNIT 3 Railways and Logistics Contours: Features and facilities offered by Railways- Factors influencing growth in Rail Logistics- Suitability for different Cargo and distance Ranges segments

UNIT 4 Innovative schemes/facilities to popularize rail logistics in India- Railway infrastructure in India and Freight movement- Share of Railways in Cargo movement in India and world-wide.

BLOCK II: FEATURES OF ROAD LOGISTICS

UNIT 5 Railways and Logistics Economics: Freight Determination for Cargo in Railways - Freight levels and rail-cargo elasticity- Route Scheduling- Cargo consolidation

UNIT 6 Arrangements for Pooling at rail head and distribution from rail head- Dedicated Rail-sidings for Bulk users- Technology, Cost, Speed, Security and Dynamics- Competition with other modes.

UNIT 7 Roadways and Logistics Contours: Roadways as a primary mode and complementary mode of transportation in Logistics – Features, Facilities and suitability- Innovations in road ways to make it Logistics-friendly- Factors influencing choice-

UNIT 8 Factors influencing growth in Road Logistics- Suitability for different Cargo and distance Ranges segments

BLOCK III: ROADWAYS AND LOGISTICS ECONOMICS

UNIT 9 Innovative schemes/facilities to popularize rail logistics in India- Share of Railways in Cargo movement in India and world-wide.

- UNIT 10 Roadways and Logistics Economics: Roadways Freight Rate Determinants- Freight levels and Road-cargo elasticity- Own Fleet: Capacity counters, maintenance, scheduling, freight consolidation.
- UNIT 11 Return and reverse logistics in Road Logistics- Road infrastructure and Logistics issues- Role National Highways and the Toll highways-

BLOCK IV: ENVIRONMENT AND LOGISTICS

- UNIT 12 Outsourcing Fleets from others- Technology, Cost, Speed, Security and Dynamics- Competition with other modes.
- UNIT 13 Coordination among different Segments: Concept, need and areas of Coordination among different modes- Coordination among Supply chain partners- Energy Product Prices and Logistics
- UNIT 14 Environment and Logistics- Problems and Prospects in Interstate Logistics by Road-Role of Truckers' Bodies in Road Cargo Movement.

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35541 - WAREHOUSING MANAGEMENT

Objective:

- To understand the function of warehousing
- To know the various types and distribution of warehouses

BLOCK I: BASICS OF WAREHOUSING MANAGEMENT

UNIT 1 Warehouse Functions: Meaning of Warehousing - Importance –Functions:
Receiving: Logistics support for Inward Transportation, Unloading, Inspection, Acceptance and Recording;

UNIT 2 Storing: Space allocation, Facilitation to stocking, Guarding & Recording; Risk bearing- Processing- Grading and branding – Disinfecting services -Issuing: Order preparation, Picking, Dispatching/ Delivery & Recording-

UNIT 3 Handling, Transportation & Storage of ISO Containers– Utility and Advantages of warehouses- Problems and issues in receiving processes.

UNIT 4 Warehouse Types: Own Warehouses- Hired Warehouses- Private Warehouses- Public Warehouses- Government Warehouses- Bonded Warehouses- Co-operative Warehouses

BLOCK II: WAREHOUSES AND INTERNAL OPERATIONS

UNIT 5 Distribution Warehouses- Fulfilment/ Consolidation Warehouses- Warehouses Providing Value Added Services- Cross Docking and Trans-loading Warehouses

UNIT 6 Break Bulk Warehouses- Storage Warehouses- Refrigerated Warehouses- Characteristics of ideal warehouses- Warehouse Layout- Principles and Facilities- Types.

UNIT 7 Internal Operations: Measures and metrics of warehouse operations- Logistics in the warehouse- Localization of materials in a warehouse- Identification and classification of Materials and products in the warehouse- Managing the material/products turns in warehouse (FIFO/LIFO) - Problems and issues in shipment processes.

UNIT 8 Warehousing Equipment:Material Handling equipment and Systems – Role of Material Handling in Logistics- Unloading and loading equipment- Rolling Ladders-Lifting equipment- Carrying equipment

BLOCK III: INVENTORY MANAGEMENT

UNIT 9 Platform Trucks-Industrial Carts- Industrial Scales- Pallet Equipment - Pallet Trucks - Rack Systems- Safety Matting, Industrial Safety Equipment- Storage types and storage unit management

UNIT 10 Material Storage Systems – principles – benefits – methods- Industrial Shelving, Industrial Storage Bins - Industrial Storage Cabinets - Spill Containment Systems- Industrial Waste Disposal.

UNIT 11 Inventory Management: Inventory Management- Need and functions- Stock Levels under Conditions of Certainty, Risk and Uncertainty- Cost of carrying or not holding adequate inventory- EOQ- Stock-out cost based inventory decisions

BLOCK IV: WAREHOUSE STRUCTURE AND MANAGEMENT

UNIT 12 Inventory Classification: ABC, VED and FSN- Methods of Inventory Issue Pricing- Cost and Profit implications- Inventory Ledger- Goods Receipt processing with inbound delivery/without inbound delivery - Goods issue with outbound delivery/internal consumption- Stock transfer Scenarios.

UNIT 13 IT for Warehouse Management (WM): Warehouse documentation- Information flows in the warehouse- ERP-WMS - Bar code – RFID- Organization Data- Warehouse Structure- Warehouse Master Data - WM Material master view- Organization Data

UNIT 14 Define Warehouse structure- Warehouse number - Storage type- Storage section - Storage Bin - Picking Area - Storage unit – Quantity- Creating Transfer requirement automatically/ manually - Creating Transfer requirement for storage

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35542 - MARITIME LOGISTICS AND DOCUMENTATION

Objective:

- To know the characteristics and types of the shipping
- To understand the insurance of marine and cargo

BLOCK I: BASICS OF MARITIME LOGISTICS

UNIT 1 Maritime Logistics: Concept, objectives, Importance and relevance to global marketing and Supply chain management- Coastal and Ocean transportation- World Sea-borne Transport- Global Sea Routes and the trade volume-

UNIT 2 Characteristics of shipping transport- Types of Ships- Container, Roll-on/roll-off (ro-ro) vessels, General cargo ships, Bulk carriers, Tankers, etc- Busiest Sea routes: East-West and North-South and Intra Region-

UNIT 3 International Maritime Organization (IMO): Formation and functions- Regulations concerning dangerous and polluting cargoes, including the class structure.

UNIT 4 Chartering Principles and Practices – Types of Charters- Voyage, Time and Bare Boat charters- Freight Determination and Determinants- Conference System Vs Competitive System

BLOCK II: PORT AND ITS TYPES

UNIT 5 Freight structure and practice – Rate Dynamics- Multi-modal Transport system- Technological developments in ocean transportation: Size, Tracking, Speed and Security.

UNIT 6 Arrangement for shipment of Cargo - Role of intermediaries - Functions and services of clearing and forwarding agents, freight brokers, stevedores, shipping agents and surveyors House and Terminal Stuffing

UNIT 7 Port: Types of port – Major Port of India and world- Structural and cargo handling facilities - Warehousing and storage in ports - Demurrage - Loading and unloading in warehouses- Organization, functions and Performance of Trans-chart of Ministry of Shipping

UNIT 8 Maritime Insurance: Cargo insurance - Marine Insurance - Institute cargo clauses - specific policy - Open policy

BLOCK III: TRANSPARENCY IN SHIPPING SERVICE

UNIT 9 Procedure for cargo insurance - Procedure for marine insurance claims - Necessary documents for filing claim.

UNIT 10 Choice of a Shipping Service: Factors influencing: Reliable Worldwide Network, One-stop for Total Logistics Solutions, Committed to High Quality Services,

UNIT 11 Transparency, Positive Approach, Highly Trained, Motivated and Result Oriented Staff, Competitive Rates, Excellent Team Work, Provide alternatives / options to the client.

BLOCK IV: EXIM POLICY

UNIT 12 Export Procedure and documentation: Offer and receipt of orders - Shipment procedure - Banking Procedure Export Documentation - Framework - Standardized pre-shipment Export Documents - Commercial and Regulatory Documents.

UNIT 13 Export credit instruments and procedures: Letters of credit and types - Documents required for export credit. Export credit insurance - services of Export Credit and Guarantee Corporation in export credit insurance.

UNIT 14 Specific Policy and Small Exporters Policy - Guarantees - Procedure for availing credit insurance and necessary documents- Multimodal transport - Procedure and documentation - Central Excise and Customs clearance of export cargo - Procedure and documents.

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35543 - AIR-CARGO LOGISTICS

Objective:

- To understand the air transportation and logistics
- To know the air ways economics system and services

BLOCK I: BASICS OF AIR-CARGO LOGISTICS

- UNIT 1 Air Transportation in Logistics: Significance of air transportation in Logistics: Utility created by air transportation in Logistics- Air Transportation as a means of conquering time and space- Features and facilities offered by Air Cargo- ways- Factors influencing growth in Air Logistics
- UNIT 2 Air Suitability for different Cargo - Innovative schemes/facilities to popularize air cargo-logistics in India- Share of airways in Cargo movement in India and world-wide-conventions covering the movement of dangerous goods by air.
- UNIT 3 Airways and Logistics Economics: Freight Determination for Cargo in Airways - Freight levels and air-cargo elasticity- Route Scheduling- Air Cargo consolidation
- UNIT 4 Arrangements for Pooling at and distribution from airports- Technology, Cost, Speed, Security and Dynamics- Competition with other modes.

BLOCK II: FREIGHTERS AND CHARTERS

- UNIT 5 Range of Services: Priority Overnight/Same day – Economy 2-5 days later- oversized freight- international and national- before and after hour service- On-Board logistics- overland transport services
- UNIT 6 Load Control, Air Cargo Loading Limitations, Cargo needing special attention in handling live animals, dangerous goods, human remains, valuables, perishables etc., unit load devices, types, aircraft loading procedure, trimming and loading distribution,
- UNIT 7 freighters and sub charters- Diplomatic mails – A, B and C categories, airline scores, mail acceptance procedures AV7, AV8 papers.
- UNIT 8 Air Cargo Documentation: Shipper's Export Declaration, Certificate of Origin, Export license, Commercial invoice, Certificate of origin, Bill of lading, Insurance certificate, Export packing list, Import License, Consular invoice, Air way bills.

BLOCK III: AIR CARGO FREIGHT RATES

- UNIT 9 Format, boxes, contents, completion of Air Waybill, mandatory information, types of Air Waybills (MAWB/HAWB) Inspection certification, dock receipt, , warehouse receipt and destination control statement- Packing, labelling and marking and various restrictions,

UNIT 10 Government regulations and formalities- Shipping Bill, Electronic Data Interchange- Bill of Entry- Airline bookings procedures, conditions of contract, cancellation of shipments, communication facilities – SITA.

UNIT 11 Air Cargo Freight rates: Tariff Determinants, Competition and Value of service- Chargeable weight, volume weight & dimensions, currencies and rounding off procedures.

BLOCK IV: FUNCTIONS TACT & ACAA

UNIT 12 Voyage and time Charters- Major air-cargo Liners of the World- Major air-cargo crafts and their features- Charges Collect (CC) shipments, Prepaid (PP) shipments, payments (Mode), exchange rate, conversion, insurance, claims etc.

UNIT 13 Intermediaries/Regulatory B in Air-cargo: Freight Forwarders: Domestic and International- Strict compliance with the law of the destination countries - Air freight forwarders association: Role and Responsibility- Domestic & Door to Door Delivery- Cargo Warehousing- Custom Clearance- Special Services -ICAO - formation, functions, IATA.

UNIT 14 Formation, functions, members and other IATA bodies FIATA, ACAA, etc., Airport Authority of India and warehousing agents- World Geography- IATA areas, airline prefix, city coding/decoding, freedoms of the air, time calculation- OAG Air Cargo Guide, TACT Rules Book and TACT Rate Books.

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35544 - LOGISTICS MARKETING AND TECHNOLOGY

Objective:

- To understand the concept of marketing and logistics management
- To know the marketing techniques used in the logistic industry

BLOCK I: BASICS OF LOGISTICS MARKETING AND TECHNOLOGY

UNIT 1 Marketing Concepts - Marketing Environment and System -Approaches to the study of marketing- Industrial, Consumer and Service Marketing

UNIT 2 Marketing Mix: Product-price-place-promotion-people-physical environment-process- Marketing by 3Pl and 4PL services.

UNIT 3 User Behaviour and Networking - User Decision Making process - Market Segmentation - Concentrated Marketing - Differentiated and Undifferentiated Marketing

UNIT 4 Service positioning - Networking: Networking with Shippers, Wholesalers and Industries- Networking with Warehouse service providers, Transport operators.

BLOCK II: PROMOTION AND DISTRIBUTION MIX

UNIT 5 Product and Price mix decisions – Line, Range and Consistency of (Product) Service Mix offering - Innovative product offering - New Service Planning and development Process

UNIT 6 Service Life Cycle - BCG Product Portfolio concept and uses- Price mix decisions

UNIT 7 Pricing: Objectives & Methods - Pricing Policies - New product pricing strategies- Reacting to competitor price changes.

UNIT 8 Promotion and Distribution mix decisions: Promotions- Advertisement: Types and Importance- Sales Promotion: Types and Relevance- Publicity: Concept and Significance

BLOCK III: TRANSPORTATION ROUTING AND MILEAGE

UNIT 9 Salesmanship: Types and Traits- Budgeting for Promotional expenses- Distribution mix decisions- Local, National, Regional and Global Choices.

UNIT 10 Supply chain software Technology: WMS, TMS, LMS, OMS, WCS and Network Optimization- Software Evaluations & Selections-Logistics Network Optimizations

UNIT 11 Transportation routing, mileage and mapping software-RFID (Radio Frequency Identification) technology

BLOCK IV: BILLING TECHNOLOGY

UNIT 12 Integrated GPS, Wireless Data and Micro-Chip Technology System- Tracking Technology.

UNIT 13 Transport Technology: Advances in **Shipping Technology- Flight Technology- Truck Technology – Rail Technology**

UNIT 14 Billing Technology- Payment Technology- (ISO 9000)- Total Quality Management (TQM) and benchmarking.

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35545 - GROWTH MANAGEMENT

Objective:

- To know the strategies of Growth management
- To understand the concept and process of Growth management

BLOCK I: BASICS OF GROWTH MANAGEMENT

UNIT 1 Sinews of Growth: Defining Growth and Growth Management- Overview of Growth Management 'SIX-S' Process: Sinews, Strategy, Staging, Synchronizing, Securing and Sustenance

UNIT 2 Sinews: Identifying Growth Opportunities – Entry Enticements and Barriers- Competition and Cooperation- Creativity and Engagement- Prioritizing Growth- Developing a Growth Proposition and Plan- Building up the Growth sinews: Fine-Ware, Soft-Ware and Hard-Ware- Growth propellers and escalators- Reinventing the Future.

UNIT 3 Strategizing Growth- Strategic thrusts for Growth- Improvement Strategies (Synergy and Value chain based): Vertical growth, Horizontal growth (related growth and unrelated growth), Evolutionary growth and Continuous growth, Organic growth

UNIT 4 Venture Strategies: Disruptive Ventures and Innovation Strategies: Revolutionary growth, Discontinuous growth, and Acquired growth- Blue Ocean Strategy- Ansoff's model- McKinsey model- SWOT/TOWS model

BLOCK II: ENVIRONMENT AND WARDING OFF ORGANISATION

UNIT 5 3 Levels of Enterprise Strategies for growth- Porters Generic Competitive Strategies- Choosing the strategic growth choice: Considerations of Internal and External Factors.

UNIT 6 Staging Growth: Organizing for Growth- Inertia Escape- Activation of growth- Well thought out implementation plan- Competitive compensation programs- Supportive organization culture- Strategic core competencies in place- Frequent, two-way communications- Strategic staffing plan- Efficient decision-making process- Full delegation and accountability.

UNIT 7 Team based environment- Performance management program- Change management tools in place- Supportive systems and processes- Employee development plans- Succession plan.

UNIT 8 Warding off Organization from signs of Slowing and Losing- Resources for Growth- Mentor for Growth (M4G)- Getting focus and balance- Monitoring growth.

BLOCK III: SECURING GROWTH IN DOMAIN

UNIT 9 Synchronizing for Growth: Synchronized Efforts - Directing the Growth Resource mix – Greiner’s model of Crises Induced Growth-

UNIT 10 Managing Growth fatigue: Concept and Overcoming the same- Managing the momentum of growth: Steady and Speed – Alert and Advancing- High Growth Road Map.

UNIT 11 Securing Growth in every domain: Product & Brand domain, Market & Competition domain, Assets & Capacity domain, Finance & Profitability domain, Networks & Relationship domain,

BLOCK IV: HARNESSING DIVERSITY AND RAPID GROWTH

UNIT 12 Geography & Spread domain and People & Organizational domain- Handling unsought consequences of growth- Turning Risks into Opportunities.

UNIT 13 Sustaining Growth: Efficiency Improvement- Effectiveness Enhancement- Excellence Management- Continuous Innovation- Kaizen and Radical Innovation-

UNIT 14 Harnessing Diversity- Rapid Growth -Strategies- Managing Rapid Growth- Passion for Growth-Significant for growth.

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