Course Code : BM110 Title of The Course : Principle of Business Management

L T P C

Approved On:

Pre-Requisite : NONE Co-Requisite : None 3 1 0 4

Objective: The course aims at providing fundamental knowledge and exposure to the concepts, theories and practice

in the field of management.

| Unit No | Title of The<br>Unit | Content of<br>Unit  | Contact<br>Hrs |
|---------|----------------------|---|----------------|
| 1       | Introduction         | Concept, nature, process and significance of management, managerial levels, skills, functions and roles, management v/s administration, coordination as essence of management, development of management thought: classical, neo-classical, behavioural, system and contingency approaches.   | 10             |
| 2       | Planning             | Nature, scope and objective of planning; types of plans: planning process, business forecasting; MBO; concepts, types, process and techniques of decision -making; Bounded Rationality.   | 10             |
| 3       | Organizing           | Concept, nature, process and significance; Principle of an organization: Span of control; Departmentation types of an organization; Authority -Responsibility; Delegation and Decentralization; Formal and Informal Organization.   | 10             |
| 4       | Staffing             | Concepts, nature and importance of staffing. Motivating and Leading: Nature and importance Concepts, nature and importance of staffing. Motivating and Leading: Nature and importance of Leadershipmeaning and importance; traits of a leader; Leadership Styles - Likert's system of management Tannenbaum & Schmidt Model and Managerial Grid | 8              |
| 5       | Controlling          | Nature and scope of control; types of control, control process, control techniques - traditional and modern; Effective control system.  | 7              |

# **References**

Book

Stoner, Freeman and Gilbert Jr.; Management prentice Hall of India New Delhi, 2003

Gupta C.B.; Management Concepts and Practices, Sultan Chand and Sons, New Delhi, 2003

Koontz Koontz & O'Donnell & Weirich, Essentials of Management,:Tata McGraw HillJames & Freeman Edward: Stoner Publishing Company,2011

VSP Rao, V Hari Krishna- Management Text and Cases, Excel Books, Edition, 2011.

Edition Mar 22, 2012. Rao & Harikrishna: L M Prasad.

Course Code : MT104 Title of The Course : BUSINESS MATHEMATICS

Pre-Requisite : NONE Co-Requisite : None L T P C

Objective: The objective of the course is to teach the learner basic mathematical concepts with emphasis on business

applications.

| Unit No | Title of The           | Content of   | Contact |
|---------|------------------------|--|---------|
| OTHERVO | Unit                   | Unit   | Hrs     |
| 1       | General Concepts       | Number system: classification; Set Theory: concept, types, operations, applications, Venn diagram  | 8       |
| 2       | Algebra Concepts       | Equations: linear, quadratic, cubic; Permutations and combinations; Series: Arithmetic, Geometric and harmonic, General idea of infinite series.   | 10      |
| 3       | Calculus Concepts      | Calculus: basic differentiation & integration (excluding trigonometric, inverse trigonometric logarithmic and exponential); maxima and minima; Functions and its types; General idea of limits and continuity (basic). | 9       |
| 4       | Matrices Concepts      | Matrices: types, addition, subtraction, multiplication and its applications to business, Determinants and its properties   | 10      |
| 5       | Arithmetic<br>Concepts | Simple and compound interest; Ratio and proportions; Profit and loss; Percentage and discount  | 8       |

## References

Book

Sancheti and Kapoor, Business Mathematics, (Reprint 2007), Sultan Chand and Sons, New Delhi

Raghavachari.M, Mathematics for Management, (New Edition), Tata Mcgraw Hill, New Delhi,2007

Aggarwal, R. S, Arithmatics (Subjective and Objective) for Competitive Examination, (2008), Sultan Chand and Sons, New Delhi.

VSP Rao, V Hari Krishna- Mathematics, Excel Books, Edition, 2011.

Dr. Shagun Prasad, V. Rama Rao- Mathematics, HP Publication 2nd, Edition, 2011.

|                     |                                      | Approved On : |
|---------------------|--------------------------------------|---------------|
| Course Code : BM111 | Title of The Course : MACROECONOMICS | P.P. S. S. S. |

Pre-Requisite: NONE Co-Requisite: None 3 1 0 4

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**Objective:** The objective of this course is to make the students aware of crucial macro-economic variables like the level of income, employment, prices, investment, consumption, money supply and trade. It also aims to equip the students with a fundamental knowledge of the macro economy on the basis of which policy decisions can be analyzed and business decisions can be made.

| Unit No | Title of The                     | Content of Unit  | Contact |
|---------|----------------------------------|--|---------|
|         | Unit                             |  | Hrs     |
| 1       | Introduction                     | Macroeconomics: meaning, nature and scope. Basic concepts used: Stock and flow variables, partial and general equilibrium, static and dynamic analysis. Economy as a circular flow of income and expenditure.  |         |
|         |                                  | National income Accounting; Concepts and measurement through double entry, sectoral accounting and matrix approaches. Classical theory of output and employment, Say's law of markets. Keynsian theory of income determinants, determinants of Macro equilibrium with aggregate demand and aggregate supply Functions under employment equilibrium, IS-LM framework. | 10      |
| 2       | Theory of<br>Consumption         | Consumption: Meaning determinants and importance. Theory of consumption: Absolute income hypothesis, Relative income hypothesis, Permanent income hypothesis, life cycle hypothesis.   | 8       |
| 3       | Theory of<br>Investment          | Types of investment determinants of investment, marginal efficiency of capital, net present value, internal rate of return, interest rate determination, classical, Neoclassical and Keynesian theories.   | 7       |
| 4       | Theory of<br>Multiplier          | Income generation in a static and dynamic setting, tax multiplier, Foreign trade multiplier, Balanced budget multiplier, Leakages from multiplier, Relevance of Multiplier to developing countries, Balance of Payments and Exchange rate determination.   | 10      |
| 5       | Inflation and<br>Theory of Money | Inflation: Meaning, types, and theories. Stabilization policies: Monetary and fiscal policies. Money its function and role: Quantity theory of money, Fisher and Cambridge Equations, Keynes views about money and prices.   | 10      |

| Book   |
|--|
| DeLong, J.B., Macroeconomics, Burr Ridge: McGraw-Hill Higher Education, 2015.                    |
| Dwivedi, D.N., (2010). Macroeconomics: Theory and Policy, 3 <sup>rd</sup> Edition, Mc Graw-Hill. |
| Dornbusch, R., Fischer, S. and Startz, R., Macroeconomics, 9th edn, New York: McGraw-Hill, 2004. |
| Mankiw, N.G., Macroeconomics, 5th edn, New York: Worth, 2003.                                    |
| Ackley, G., Macroeconomic Theory, New York: Collier-Macmillan, 1966                              |

| Course Code : BM 112 | Title of The Course: INTRODUCTION TO ORGANIZATIONAL BEHAVIOUR | Approved On : |
|----------------------|---|---------------|
|----------------------|---|---------------|

Pre-Requisite : NONE Co-Requisite : None

**Objective :** To familiarize and acquaint the student with basic concepts, theories and techniques in the field of human 3 1 0 4 behavior at the individual, group and organizational levels in the changing global scenario.

| Unit No | Title of The<br>Unit                | Content of Unit  | Contact<br>Hrs |
|---------|-------------------------------------|--|----------------|
| 1       | Introduction                        | Introduction: meaning of organizational behavior, Nature of Organizational Behavior Theories of Organizational Behavior, Organizational setting, Individual behavior in Organization: Understanding self, Perception.  | 10             |
| 2       | Learning                            | Learning and its theories Attitudes, Personality: Meaning, Self concept, Self-esteem, Major determinants of personality Organizational Development: Concept of OD, Phases of OD and OD Interventions, Limitations of OD Interventions, Concept of Morale and Job Satisfaction.   | 7              |
| 3       | Organizational<br>Culture           | Concept, Functions, Socialization; Creating and sustaining culture, Importance of psychological process of motivation, salient motivation tools, Motivation; Types of motivation, Theories of work motivation Managing Conflict - Sources, types, process and resolution of conflict, Managing across Cultures; Empowerment and Participation. | 8              |
| 4       | Group behavior in organization      | Group dynamics, types of groups, Stages of Group Development, Theories of Group Formation; Building and managing effective Teams, Dynamics of managerial leadership: Leadership styles,.   | 10             |
| 5       | Organizational Development Process: | Management of Change, Organizational Development Process, Team Building, Inter- personal behavior in organization: Johari Window, Transactional analysis, ego states, types of transactions, life positions  | 10             |

| Book   |
|--|
| DeLong, J.B., Organizational Behaviour, Burr Ridge: McGraw-Hill Higher Education, 2015.                  |
| Prasad, L.M.; Organizational Behaviour, Sultan Chand & Sons, 2003  |
| Stephen P., Robbins; Organizational Behaviour; "Prentice Hall of India Pvt. Ltd.", New Delhi, 2003       |
| Luthans, Fred; Organizational Behaviour, Tata McGraw Hill, New Delhi 2008                                |
| Dwivedi, D.N., (2010). Organizational Behaviour Theory and Policy, 3 <sup>rd</sup> Edition, Mc Graw-Hill |

Course Code : LN104 Title of The Course : ESSENTIAL PROFESSIONAL COMMUNICATION

Approved On:

23/05/2015

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Pre-Requisite : NONE Co-Requisite : None

**Objective**: At the end of this course, students will be able to familiarize with business communication, types of

communication, Business Correspondence, and Business Report Writing.

| Unit No  | Title of The                      | Content of  | Contact |
|----------|-----------------------------------|---|---------|
| 01110110 | Unit                              | Unit  | Hrs     |
| 1        | Professional<br>Communication     | Professional Communication: It's meaning and importance, Essential od Effective Communication, Barriers of Effective Communication, The Cross cultural Dimensions of Professional Communication                                   | 8       |
| 2        | Language<br>through<br>Literature | Essays The Effect of the Scientific Temper on Man:   by Bertrand Russell. —The ims of Science and Humanities   by Moody E. Prior Short Stories —The Meeting Pool   by Ruskin Bond —The Potrait of a Lady   by Khushwant Singh     | 8       |
| 3        | Basic<br>Vocabulary               | Euphemism, One word Substitution, Synonyms, Antonyms, Homophones, Idioms and Phrases, Common mistakes, Confusable words and expressions, Portmanteau words, Foreign words and expressions.  | 8       |
| 4        | Basic Grammar                     | Articles, Prepositions, Tenses, Concord (Subject-Verb agreement), Modal Auxiliaries, Verbs: It's kind and Uses, Degree of Comparison, Punctuation.  | 8       |
| 5        | Basic<br>Composition              | Report writing: What is a report? Kinds and objectives of reports, writing reports. Business Letter writing: Introduction to business letters, types of business letters, Layout of business letters, Letter of enquiry/Complaint | 8       |

# **References**

Book

Lata, Pushp& Kumar, Sanjay. Communication Skills, Oxford University Press-2012.

Quintanilla, Kelly M. & Wahl, Shawn T. Business and Professional Communication, Sage Publications India Pvt Ltd. – 2011

Juneja, Om p & Majumdar, Aarati.Business Communication : Techniques and Methods, Orient Black swan-2010

Arora V.N. & Chandra, Laxmi. Improve your writing from Comprehensive to effective writing ,Oxford University Press – 2010 (For prescribed essays- —The effect of the Scientific Temper on Man|| by Bertrand Russell & —The Aims of Science and Humanities|| by Moody E. Prior.

Mukherjee, Meenakshi. Let's Go Home and Other Stories, Orient Black Swan-2009 (For the prescribed short stories ——the Meeting Pool|| by Ruskin Bond, —The Portrait of a lady|| by Khushwant Singh.

Course Code : BM171 Title of The Course : BASICS OF SUUPLY CAHIN MANAGEMENT

 Pre-Requisite : NONE
 Co-Requisite : None
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**Objective:** The basic objective of this Subject is to get familiar with Supply chain and its functions & how Supply chain management plays an important part in today's business world.

| Unit<br>No | Title of The<br>Unit         | Content<br>of Unit  | Contac<br>t Hrs |
|------------|------------------------------|---|-----------------|
| 1          | Overview of<br>Supply Chain  | Evolution of Supply Chain, Development Chain, Uncertainty & Risk, Key Issues in Supply chain management, Objectives of Supply Chain, Decision Phases in Supply Chain, Process view of Supply Chain  | 8               |
| 2          | Flows in<br>Supply Chain     | Flow of Product Across Supply Chain, The Flow of Information Across Supply Chain, Importance of Ownership Flow in Supply Chain, Significance of Finance Flow Across Supply Chain  | 8               |
| 3          | Types of<br>Supply Chain     | Made-To-Stock Supply Chain Strategy, Built-To-Order Process in Supply Chain, Assemble-To-Order Model, Significance of Engineer-To-Order   | 8               |
| 4          | Decisions of<br>Supply Chain | Competitive Supply Chain Strategy, Achieving Strategic Fit, Challenges in Achieving & Maintaining Fit, Make or Buy Decision, Framework For Strategic Alliance, Retailer Supplier Partnership, Distributor Integration, Supply Chain Network | 8               |
| 5          | Strategies                   | Distribution Strategy, Centralized v/s Decentralized Control, Push v/s Pull System, Drivers of Supply Chain Performance.  | 8               |

## **References**

Book

Kotler, Philip., Marketing Management, Pearson Education Pvt. Ltd., New Delhi.Edition-14th.

Saxena, Rajan., Marketing Management, Tata McGraw Hill, New Delhi. Edition-3rd.

Ramaswamy, V.S and Namakumari, S., Marketing Management, Macmilan India, New Delhi. Edition-4th

Datta, Debraj and Datta, Mahua, A Text on Marketing Management, Vrinda Publications (P) Ltd. Edition-1st.

Fundamentals of Marketing Management - Etzel M. J, B J Walker & William J. Stanton, 14/e, McGrawHill Education Publishers, 2015.

| Course Code : BM172 v                   | Title of The Course : WORKSHOP   | Арр           | orove         | d On :        |               |
|---|--|---------------|---------------|---------------|---------------|
| Pre-Requisite : NONE                    | Co-Requisite: None   | <b>L</b><br>3 | <b>T</b><br>1 | <b>P</b><br>0 | <b>C</b><br>4 |
| = | the of the workshop is to indulge student into a practical are about the real world work .   |               |               |               |               |
| workshop will be which student will     | ill be conducted at the safeducate ware conducted and arranged by safeducate be getting the practical session at the Ware eir marks will be allotted on the basis of the | res<br>eho    | oui<br>ous    | rce<br>e a    | in<br>nd      |
|   |  |               |               |               |               |
|   |  |               |               |               |               |
|   |  |               |               |               |               |

Course Code : BM113 Title of The Course: BASICS OF FINANCIAL ACCOUNTING

 Pre-Requisite : NONE
 Co-Requisite : None
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**Objective**: The primary objective of the course is to familiarize the students with the basic accounting principles and techniques of preparing and presenting the accounts for user of accounting information.

| Line in Nin | Title of The                             |   | 0              |
|-------------|--|---|----------------|
| Unit No     | Unit                                     | Content of<br>Unit  | Contact<br>Hrs |
| 1           | Basic<br>Accounting<br>Concepts          | Need for Accounting, Development of Accounting, Definition and Functions of Accounting Limitation of Accounting, Book Keeping and Accounting, End User of Accounting Information Branches of Accounting, Difference between Management Accounting and Financial Accounting.   | 8              |
| 2           | Accounting<br>Principles<br>&Standards   | Meaning of Accounting Principles, Accounting Concepts, Accounting Conventions, Systems o Book Keeping, Systems of Accounting, Introduction to Accounting Standards Issued by ICAI Accounting Equation, Basic terms-Capital, Income, Expenditure, Expenses, Assets, Liabilities and application to problems.   | 7              |
| 3           | Journal, Ledger<br>and Trial<br>Balance  | Journal, Rules of Debit and Credit, recording of entries in journal with narration; Compound Journal Entry, Opening Entry Ledger -Posting from Journal to respective ledger accounts. Need and objectives; Application of Trial Balance   | 10             |
| 4           | Depreciation<br>Provisions &<br>Reserves | Concept of Deprecation, Causes of Depreciation, Basic Features of Depreciation, Meaning of Depreciation Accounting, Objectives of Providing Depreciation, Fixation of Depreciation Amount, Method of Recording Depreciation, Methods of Providing Depreciation, Depreciation Policy, AS- 6(Revised) Depreciation Accounting, Provisions and Reserves, Change of method of Depreciation (by both current and retrospective effect) | 10             |
| 5           | Final Accounts                           | Final accounts: meaning, need and preparation, Concept of adjustment; Application of Trading Account and Profit and Loss Account to get Gross Profit and Net Profit; Application of Balance Sheet with Marshalling; Application of final accounts problems.   | 10             |

# **References**

Book

Maheshwari S N, Maheshwari S K & Maheshwari S K, An Introduction to Accountancy, 2018, Vikas Publishing House Private Limited, New Delhi

Arora, M.N,Accounting for Management,2017,Himalay Publishing House pvt ltd, India

Grewal T.S., introduction to Accountancy, 2016, S.chand and co., New Delhi.

Tulsian, P.C., Financial Accounting, 2015, Tata Macgraw Hill, New Delhi

Sharma DG, Fundamentals of Accounting, 2014, Taxmann' Publication, India

Approved On:

| C C                 | Title of The Course a later dustion to Baselestine Baseles and |  |
|---------------------|--|--|
| Course Code · RM114 | Title of The Course: Introduction to Marketing Management      |  |

 Pre-Requisite : NONE
 Co-Requisite : None
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**Objective:** The objective of this course is to impart in-depth knowledge to the students regarding the theory and practice of Marketing Management.

| Unit<br>No | Title of The<br>Unit | Content of Unit  | Contact<br>Hrs |
|------------|----------------------|--|----------------|
| 1          | Introduction         | Meaning, Nature and Scope of Marketing Management. Elements of Marketing Management-<br>Needs, Wants, Desire, Demands, Customer, Consumer, Markets and Marketers, Marketing Vs Selling.  | 8              |
| 2          | Market Analysis      | Consumer Buying Behaviour; consumer decision making process(five step model); Factors affecting Buying Behaviour; Marketing Environment-Micro and Macro.   | 8              |
| 3          | Market Selection     | Definition, Need and Benefits of Market Segmentation. Bases for Market Segmentation of Consumer goods, Industrial goods and services. Target Markets, concept of Target Market. Positioning and differentiation strategies.  | 9              |
| 4          | Marketing Mix- I:    | Product Decision-Concept of a Product; Classification of Products; Product Line and Product Mix; Branding; Packaging and Labeling; Product Life Cycle; New Product Development (Basic Steps and Process). Price Decision-Concept and meaning of Price and Pricing, Pricing Policies and Strategies | 10             |
| 5          | Marketing Mix - II   | Place Decision- Nature, Functions, and Types of Distribution channels; Channel Management Decisions. Promotion Decision-Communication Process; Promotion Mix- advertising, personal selling, sales promotion, publicity and public relations; Sales promotion-tools and techniques                 | 10             |

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|---|--|
| l | Book   |
| l | Kotler, Philip., Marketing Management, Person Education Pvt. Ltd., New Delhi.Edition-14th., 2012                 |
| l | Saxena, Rajan., Marketing Management, Tata McGraw Hill, New Delhi.Edition-3rd.2013                               |
| l | Ramaswamy, V.S and Namakumari, S., Marketing Management, Macmilan India, New Delhi. Edition-4 <sup>th</sup> 2012 |
| l | Datta, Debraj and Datta, Mahua, A Text on Marketing Management, Vrinda Publications (P) Ltd. Edition-1st.2013    |
| l | Saxena, Rajan., Marketing Management, Tata McGraw Hill, New Delhi.Edition-4th.2012                               |

Course Code : BM115 Title of The Course : MICROECONOMICS

Pre-Requisite : NONE

Co-Requisite: None

Approved On:

**Objective:** The objective of this course is to equip the students with the methodology of decision making using the

It aims to make the students aware of the working of the markets, the determination of prices and the techniques.

| Unit<br>No | Title of The<br>Unit                 | Content of Unit   | Contact<br>Hrs |
|------------|--------------------------------------|---|----------------|
| 1          | Introduction                         | Microeconomics: meaning nature and scope. Basic concepts of economics: Static and dynamic approaches, equilibrium, utility, opportunity cost, marginal and incremental principles, Microeconomics and Business.   | 10             |
| 2          | Theory of<br>Demand                  | Nature of demand for a product, Law of Demand -Factors affecting this Law, Exceptions Individual demand, Market demand, Determinants of demand, Elasticity of demand -Price Income, Cross and Advertising elasticity of demand, Determinants of Elasticity of demand Demand as multivariate function. | 9              |
| 3          | Theory of<br>Consumer<br>Behavior    | Concept of utility, Cardinal utility, Law of diminishing marginal utility, Law of equi-marginal utility, Indifference curve analysis, Marginal rate of substitution, Budget line, Consumer' equilibrium, Applications of indifference curves.   | 8              |
| 4          | Theory of<br>Production and<br>Costs | The concept of production function, Production with one and two variable inputs, Law of variable proportion, Law of Return to scale, Optimal input combination, Theory of cost in short run and long run, Revenue function.   | 8              |
| 5          | Market Structure<br>& Pricing Theory | Breakeven analysis, Pricing under perfect competition, Pricing under monopoly, Price discrimination Pricing under monopolistic competition, Selling cost, Pricing under oligopoly: Cournot's model, Kinked demand curve, Price leadership.  | 10             |

| <u>References</u>   |  |  |
|---|--|--|
| Book  |  |  |
| Dwivedi, D. N., Microeconomic Theory, Pearson Education, New Delhi, 2003            |  |  |
| Koutsoyiannis A, Modern Microeconomics, 2nd ed., Macmillan, 1979.                   |  |  |
| Marshall, A., Principles of Microeconomics, 8 th ed., Macmillan & Co., London, 1920 |  |  |
| Salvatore, D., Principles of Microeconomics, Prentice-Hall, 2000                    |  |  |
| Ackley, G., Macroeconomic Theory, New York: Collier-Macmillan, 1966                 |  |  |

| Course Code : BM116 | Title of The Course : PERSONNEL MANAGEMENT | Approved On : |
|---------------------|--|---------------|
|---------------------|--|---------------|

Pre-Requisite: NONE Co-Requisite: None L T P C

**Objective:** The course aims at familiarising the students with various aspects of HRM and help the students to acquire decision making skills for managing human resource in an organization with a deep insight of hr functions.

| Unit<br>No | Title of The<br>Unit                         | Content of Unit   | Contact<br>Hrs |
|------------|--|---|----------------|
| 1          | Human Resource<br>Management<br>Introduction | Nature, scope, role and importance of HRM. Evolution of HRM, Functions of HRM, Philosophies of HRM.   | 10             |
| 2          | Management:                                  | Job analysis: Concept, steps in analyzing job and introduction to methods of collecting job analysis information.  Job description, job specification, job design, job simplification, job rotation, job enrichment and job enlargement. Human Resource Planning Model, Barrier s of HR Planning. | 10             |
| 3          |  | Recruitment: sources of recruitment, policies and procedure of recruitment, Selection: Steps in selection process & interviews. Placement and induction, Transfer and promotion   | 07             |
| 4          | Appraisal&<br>Development                    | Concept of training Identification of training needs (TNA) and methods of training, Performance appraisal-Concept , methods and problems of performance appraisal. Career planning, Succession Planning Management development  | 08             |
| 5          | 1  | Component Of Remuneration: Wage and salary, Incentive, Fringe benefits, Non monetary benefits. New trends in HRM due to globalization deregulation and technological advancements. HRM in India.  | 10             |

| References   |
|--|
| Book   |
| Human Resource Management, Excel books: Rao V.S.P., 2003                         |
| Personnel Management: Monnappa and Saiyadan Tata Mcgraw Hill.1979.               |
| Marshall, A., Human Resource Management, 8 th ed., Macmillan & Co., London, 1920 |
| Salvatore, D., Human Resource Management, Prentice-Hall, 2000                    |
| Ackley, G., Human Resource Management, New York: Collier-Macmillan, 1966         |

Course Code : MT115 Title of The Course : STATISTICAL METHODS IN BUSINESS

Approved On:

Pre-Requisite : NONE Co-Requisite : None

**Objective**: The objective of the course is to teach the learner basic statistical concepts with emphasis on business applications.

| Unit No  | Title of The                             | Content of   | Contact |
|----------|--|--|---------|
| 01111110 | Unit                                     | Unit   | Hrs     |
| 1        | Basic Ideas in<br>Statistics             | Definition, Function & scope of statistics, Collection and presentation of data, Classification, Frequency distribution, Diagrammatic and graphic presentation of data.  | 8       |
| 2        | Central Tendency<br>and Dispersion       | Central tendency: Arithmetic mean, Weighted A.M., Median, Mode, Geometric and harmonic means and their merits and demerits, Arithmetic, Quartiles, Deciles, Percentiles; Dispersion: Range, Quartile deviation, Mean deviation, standard deviation, Root mean square deviation, co-efficient of variation.                           | 10      |
| 3        | Correlation and<br>Regression            | Correlation: Karl Pearson's and Spearman's methods, Methods of studying Correlation for grouped and Ungrouped frequency distribution; Regression: Equation of regression lines for grouped and ungrouped frequency distribution, Standard error estimate.  | 9       |
| 4        | Index No. and<br>Business<br>Forecasting | Index numbers: Meaning and significance, Types and methods of their construction (Weighted and Un- weighted), Base shifting, Splicing and deflating of Index numbers, Consumer price index; Time series: Components, Significance, Linear and non-linear trend, Seasonal variations and irregular variations and their measurements. | 9       |
| 5        | Basic Concepts in<br>Probability         | Theory of probability: Classical, Relative frequency and Subjective approach; Probability rules; Bayes' theorem; Theoretical distributions: normal, binomial and Poisson.  | 9       |

# **References**

Book

Levin, Richard & Rubin, David, Statistics for Management, (First Indian Reprint 2004), Pearson Education, New Delhi

Hogg, Introduction to Mathematical Statistics, (International Edition), Pearson Education, New Delhi.

Aggarwal, R. S, Arithmatics (Subjective and Objective) for Competitive Examination, (2008), Sultan Chand and Sons, New Delhi.

VSP Rao, V Hari Krishna- Mathematics, Excel Books, Edition, 2011.

Dr. Shagun Prasad, V. Rama Rao- Mathematics, HP Publication 2nd, Edition, 2011.

Course Code : BM173 Title of The Course : LOGISTICS MANAGEMENT

Approved On:

Pre-Requisite : NONE Co-Requisite : None L T P C

Objective: The Interrelation between supply chain & logistics, The principles of supply chain networks

The basic concepts of management systems involved in transportation

|          | Title of The            |   |         |
|----------|-------------------------|---|---------|
| Unit No  | 11.2                    | Content of  | Contact |
|          | Unit                    | Unit  | Hrs     |
| Unit-I   | Introduction            | Inter-Relation Between Supply Chain and Logistics, Introduction to Logistics Management, Functions  | 7       |
|          |                         | & Types of Logistics, Players in Logistics  |         |
| Unit-II  | Transportation          | Introduction Freight Transportation, Transportation System, Road Transportation, Rail Transportation, Sea Transportation, Air Transportation, Multimodal Transportation.        | 7       |
| Unit-III | Logistics<br>Operations | Key Strategic & Tactical Decisions, Operational Decisions, Key Decision & Choice of Transportation  | 7       |
|          |                         | Mode, Logistics Decision - Warehouse Network, Logistics Decision - Transport Lane Decision, Logistics   |         |
|          |                         | Decision - Holding Inventory, Logistics Decision - 3PL Provider and IT.   |         |
| Unit-IV  |                         | Logistics & it's roles, Logistics Departments & Its Importance, Relationship within a firm, Scopes and Challenges, Tasks enabled in logistics department, Department hierarchy. | 7       |
| Unit-V   |                         | Process of Reverse logistics, Disposition of product value, Disposal Process and it's techniques, Benefits, Scopes, Elements & Importance of Reverse logistics.                 | 7       |

# **References**

Book

Kotler, Philip., Marketing Management, Pearson Education Pvt. Ltd., New Delhi.Edition-14th.

Saxena, Rajan., Marketing Management, Tata McGraw Hill, New Delhi.Edition-3rd.

Ramaswamy, V.S and Namakumari, S., Marketing Management, Macmilan India, New Delhi. Edition-4th

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Fundamentals of Marketing Management - Etzel M. J, B J Walker & William J. Stanton, 14/e, McGrawHill Education Publishers, 2015.