

G.T.N ARTS COLLEGE, DINDIGUL
DEPARTMENT OF ECONOMICS



With Effect from the Academic Year 2016-17

G.T.N ARTS COLLEGE, DINDIGUL
DEPARTMENT OF ECONOMICS
SCHEME OF EXAMINATION
CHOICE BASED CREDIT SYSTEM (For B.Com)

FIRST SEMESTER

Part	Code	Subject Name	Hours	Credit	Internal Marks	External Marks	Total
III(Ancillary)	16COA11	Managerial Economics	6	4	25	75	100
		Total	6	4	25	75	100

SECOND SEMESTER

Part	Code	Subject Name	Hours	Credit	Internal Marks	External Marks	Total
III(Ancillary)	16COA21	Economic Development of India	6	4	25	75	100
		Total	6	4	25	75	100

THIRD SEMESTER

Part	Code	Subject Name	Hours	Credit	Internal Marks	External Marks	Total
III(Ancillary)	16COA31	Business Statistics	6	5	25	75	100
		Total	6	5	25	75	100

FOURTH SEMESTER

Part	Code	Subject Name	Hours	Credit	Internal Marks	External Marks	Total
III(Ancillary)	16COA41	Business Mathematics	6	5	25	75	100
		Total	6	5	25	75	100

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DEPARTMENT OF ECONOMICS
SCHEME OF EXAMINATION
CHOICE BASED CREDIT SYSTEM (For M.Com)

FIRST SEMESTER

Part	Code	Subject Name	Hours	Credit	Internal Marks	External Marks	Total
I	16CE11	Advanced Business Statistics	9	5	25	75	100
		Total	9	5	25	75	100

SECOND SEMESTER

Part	Code	Subject Name	Hours	Credit	Internal Marks	External Marks	Total
I	16CE21	Quantitative Techniques	9	5	25	75	100
		Total	9	5	25	75	100

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DEPARTMENT OF ECONOMICS
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CHOICE BASED CREDIT SYSTEM (For B.A., History)
FIRST SEMESTER

Part	Code	Subject Name	Hours	Credit	Internal Marks	External Marks	Total
III(Ancillary)	16HIA31	General Economics I	6	4	25	75	100
		Total	6	4	25	75	100

SECOND SEMESTER

Part	Code	Subject Name	Hours	Credit	Internal Marks	External Marks	Total
III(Ancillary)	16HIA41	General Economics II	6	4	25	75	100
		Total	6	4	25	75	100

Managerial Economics

Semester: I

Hours per week: 6

Sub Code: 16COA11

Credit: 4

Objectives: To enable the students to

- Understand the nature and scope of Managerial Economics.
- Understand the relationship of Managerial Economics with other discipline.

UNIT I

Introduction- Definition – Nature and Scope of Managerial Economics – Economics and Managerial Economics – Role and responsibilities of Managerial Economists – Objectives of a modern business firm.

UNIT II

Demand Analysis – Law of demand – Demand determinants – Demand Distinctions – Elasticity of demand – Types of elasticity of demand – Measurement of elasticity of demand – Factors determining elasticity of Demand – Uses of elasticity of demand.

UNIT III

Demand or sales forecasting – meaning – factors involved in forecasting – Importance – methods of forecasting for an established product and a new Product.- criteria of a good demand forecasting.

UNIT IV

Price Analysis – Price determination under various market forms- Perfect Competition, monopoly and monopolistic competition – oligopoly – Pricing Policies – objectives – factors – Pricing methods – \Skimming pricing – Penetration pricing – Full cost pricing –marginal cost pricing – differential Pricing –customary pricing – peak load pricing – Product line pricing – Price Forecasting.

UNIT V

Nature of Profit – Profit planning – Break Even Analysis – Concepts – uses and Limitation – Profit Forecasting.

Books for study:

1. Managerial Economics - Dr.N.Srinivasan. Sri Meenakshi pathipagam, Madurai.
2. Managerial Economics – Dr.S.Sankaran. Margham Publishers, Chennai.

Reference Books

1. Managerial Economics - R. Cauvery, U.K. Sudhanayak , M. Girija, R. Meenakshi.
S.Chand & Co., New Delhi.
2. Managerial Economics – Joel Dean , Prentice Hall Publishers,
3. Managerial Economics - Dweivedi – Kalyani Publishers,
4. Managerial Economics – M.L.Jhingan - Sultan Chand & co , New Delhi.

Economic Development of India

Semester: II

Hours per week: 6

Sub Code: 16COA21

Credit: 4

Objectives: To enable the students to

- Study the recent development in Indian Economy.
- Understand various Economic Policies and its implication.

UNIT – I

Features of Indian Economy – Characteristics – Under developed or developing economy – India as a mixed economy – Population in India – Causes, Consequences and control.

Capital formation in India – Causes for low rate of capital formation – Importance of foreign capital.

UNIT – II

Primary sector – Role of agriculture in Indian Economy – Causes for low agricultural productivity.

Green Revolution – Nature and effects – Food security – Agricultural price policy.

UNIT – III

Secondary sector – Industrial policy - Industrial policy 1991 – Role of small scale and cottage industries in Indian economy – problems – Government measures – Industrial finance – IFC, SFC, IDBI, ICICI

Public sector undertaking – objectives – performance of public sector undertakings – privatization.

UNIT – IV

Tertiary sector – commercial banks and economic development – RBI and economic development

India's foreign trade – composition – pattern and direction of India's exports and imports – Export promotion measures – EXIM Bank and its role in India's foreign trade.

UNIT – V

Planning – India's five-year plans – objectives, Achievements and Failures – Anti poverty measures – Employment generation schemes – trends in the growth of national income.

Books for study:

1. Indian economy – Dutt and Sundharam, S Chand & Co, New Delhi.
2. Indian Economic Problems – Misra and Puri, Kalyani Publishers, New Delhi
3. Indian Economic Problems – Sankaran, Margham Publishers, Chennai.

Reference Books

1. The Indian Economy – I.C.Dhingra, Kalyani Publishers, New Delhi.
2. Indian Economy – Dewett, Verma and Sharma,
3. Indian Economic Problems – V. K.Gard

Business Statistics

Semester: III

Hours per week: 6

Sub Code: 16COA31

Credit: 5

Objectives: i. Gain Knowledge in Application of various Statistical tools.

UNIT – I

Statistics- Meaning – Functions – Importance – Data collection – Sources – Primary-Secondary – Techniques – Census – Sampling – Classification – Presentation – Tabulation – Diagrammatic – Graphic.

UNIT – II

Arithmetic mean – combined mean – Median – Mode – Geometric mean – Harmonic mean.

Range – Quartile deviation – Mean deviation – Standard deviation – Combined Standard deviation – Co-efficient of variation.

UNIT – III

Skewness – Methods of studying skewness – Karl Pearson's Co-efficient of skewness – Bowley's co-efficient of skewness.

Correlation – Methods of studying correlation – Scatter diagram – Graphic method – Karl Pearson's Co-efficient of correlation, Rank Correlation, Concurrent deviation method.

UNIT –IV

Regression analysis – Regression equations – Least square method – Deviations taken from actual mean and assumed mean method.

UNIT –V

Analysis of time series – components – Methods of determining trend – Graphic – Semi – average – Moving Average – Least Square – Seasonal Variations – method of simple average only.

Text Books

1. Statistics R.S.N. Pillai & V. Bagavathi, S Chand & Co, New Delhi.
2. Statistical Methods – M. Manoharan, Palani Paramount Publishers, Palani.
3. Business Statistics – P.R. Vital, Margham Publishers, Chennai.

Reference Books.

1. Statistical Methods –C.B. Gupta., Sultan Chand & Co, New Delhi.
2. Statistical - Methods, SP. Gupta, S Chand & Co, New Delhi.
3. Statistical Methods – Vijay Gupta, Sultan Chand & Co, New Delhi.
4. Fundamental of Statistics – D.N. Elhance, New Delhi.
5. Business Statistics – Richars I.Levine, Prentice Hall Publihers, New Delhi.

Note: The Questions should be asked in the ratio of 60% for problems and 40% for theory.

Business Mathematics

Semester: IV

Hours per week: 6

Sub Code: 16COA41

Credit: 5

Objectives: To enable the students to

- Understand the Importance of Business Mathematics in Commerce.
- Learn the Application of Business Mathematics in Economic Theories.

UNIT – I

Elements of set Theory – Definition – Symbols – Roster method and Rule method – Types of sets – Union & Intersection – Sub sets – Complements – Difference of two sets – Family of Sets – Venn diagram – De-Morgan's law.

UNIT – II

Indices – Positive – Fractional – Operation with power function – Logarithms – Definition – Exponential forms – Laws of logarithms – Change of base – formula – Common logarithms and natural logarithms – Characteristics and mantissa – Rules to write – Practical Problems.

UNIT –III

Commercial Arithmetic – Interest – Simple – Compound – Normal rate – Effective rate – Depreciation – Present value – Discounting of bills – Face value of bills – Banker's discount – Banker's gain – Normal due date – Legal due date – Calculation of period for banker's discount and true discount.

UNIT – IV

Differential calculus (excluding trigonometric functions) – Rules – Sum rule – Product rule - Quotient rule, functions of a function rule (Simple problems only) – Maxima and Minima (Single variable cases) – Methods of integral calculus – Rules (Excluding integration by parts of Fractions) – Simple problems only.

UNIT –V

Determinants – Properties – Product – Matrices – Types – Addition – Multiplication – Matrix Inversion – Solving a system of linear equation using matrix inversion – Rank of matrix – Testing consistency of equations.

Text Books

1. Business Mathematics – D.C. Sancheti & V.K. Kapoor, Sultan Chand & Co, New Delhi.
2. Business Mathematics – M. Manoharan & C. Elango, Palani Paramount Publishers, Palani.
3. Business Mathematics – P.R. Vittal, Margham Publishers, Chennai.

Reference Books

1. Business Mathematics – V.K. Kapoor, Sultan Chand & Co, New Delhi.
2. Business Mathematics – Jeyaseelan and Sundresan, S Chand & Co, New Delhi.
3. Business Mathematics – G.K. Ranganath, Girija Publishers, Chennai.
4. Business Mathematics – B.M. Aggarwal, S Chand & Co, New Delhi.

Note: The Questions should be asked in the ratio of 60% for problems and 40% for theory.

Objectives: To enable the students to

- Know the Basic concepts in Economics.
- Study the Important theories in Economics.

UNIT I INTRODUCTION

Definition of Economics – Adam Smith – Alfred Marshall and Lionel Robbins-

Scope of Economics – Main sub-divisions – Science or Arts – positive or normative –

Deductive and Inductive method – Economic laws – Nature and comparison with the laws of

Other Sciences – Basic concepts – Goods, Utility, Human wants, value and Price, Market and

Income

UNIT II CONSUMPTION

Law of Diminishing Marginal utility – law of Equi-Marginal Utility – Law of

Demand and law of Supply – Elasticity of demand – methods of measurement of elasticity of

Demand – Kinds of Elasticity – Perfectly elastic, perfectly inelastic, relatively inelastic and

Unitary elasticity – Consumer's Surplus.

UNIT III PRODUCTION

Meaning and characteristic features of production – land, Labor.Capital and

Organization - Laws of Returns – Division of Labor – localization of Industry - Theories of

Production – Malthusian and optimum - Population and Economic development – Labor

Productivity.

UNIT IV ECONOMIC ORGANISATION

Capital Formation – Physical capital and human capital – capital formation and

Economic development – meaning and functions of Entrepreneurship.

UNIT V ECONOMIC ORGANISATION

Analysis of supply and demand – cost and revenue – Price determination under Different markets – Perfect competition – Monopoly – Monopolistic competition – Price Discrimination – Market value and Normal value – Absolute value and relative value – joint Demand and joint supply.

Books for study:

1. General Economics I– Dr. N. Srinivasan. Sri Meenakshi pathipagam, Madurai
2. General Economics I– Dr. M.P. Gurusamy Guruthemozhi pathipagam, Saathankulam.

Reference books:

1. Economic Analysis – Dr. S. Sankaran. Margham Publishers, Chennai.
2. Principles of Economics – M.L. Seth, S.Chand & Co., New Delhi.

Objectives: To enable the students to

- Acquire basic knowledge in Economics.
- Understand various Economic problem and solutions.

UNIT I THEORY OF DISTRIBUTION

Meaning and methods of computation of National income – Difficulties – Uses – Rent – meaning – theories of rent – wages – real wage and money wage – theories of Wages – Interest – gross and net interest – theories of interest – liquidity trap – Profit and Theories of Profit.

UNIT II MONEY AND BANKING

Definition and Functions of money – Quantity theory of money –Transaction Approach – Cambridge version – Role of money in capitalist and Socialist economies – Commercial banks – Function – Role of Commercial banks in economic development – Central Bank – functions – Role in economic development.

UNIT III INTERNATIONAL TRADE

Difference between internal and international trade – Theories of International Trade – Absolute cost – Comparative cost – Balance of payment – disequilibrium – measures for correcting disequilibrium in balance of payments – Purchasing power parity theory – Difference between Free Trade and Protection – Arguments for and against.

UNIT IV INFLATION

Meaning and kinds of inflation – deflation – stagflation – control of inflation – Economic and social factors – measures to correct inflation – trade cycle – components.

UNIT V TAXATION

Cannon of taxation – direct tax and indirect tax – sources of public revenue – Suggestions for increasing public revenue – causes for the growth of public expenditure in India – features and preparation of budget – public debt and methods of redemption.

Books for study:

1. General Economics II – Dr. N. Srinivasan, Sri Meenakshi pathipagam, Madurai.
2. General Economics II– Dr. M.P. Gurusamy, Guru Thenmozhi Press, Sathankulam.

Reference books:

1. Economic Analysis – Dr. S. Sankaran, Margham Publishers, Chennai.
2. Principles of Economics – M.L. Seth, S.Chand & Co., New Delhi.

Advanced Business Statistics

Semester: I

Hours per week: 6

Sub Code: 16CO11

Credit: 5

Objectives: To enable the students to

- Understand the importance of Business Statistics in research.
- Methods of testing hypothesis in social sciences research.

UNIT – I

Correlation Analysis – Simple and Multiple, Regression Analysis – Simple and Multiple

UNIT – II

Analysis of Time series – Estimating the linear trend cyclical variations – Seasonal Variations trend analysis – Application of time series analysis to forecasting.

UNIT – III

Probability Analysis – Discrete probability distribution – binomial and poisson – Continuous Probability Distribution – Normal

UNIT – IV

Hypotheses – Testing Hypotheses regarding proportion and difference between two proportions – Concerning the value of the population mean – Difference between two means using normal distribution – ‘t’ test distribution.

UNIT – V

The Chi-Square Test as a hypothesis testing procedure, goodness of fit test – testing the independence of two variables. F test and analysis of variance.

Text Books:

1. R.S.N. Pillai-Advanced business Statistics, 2014, S Chand & Co Publishers, New Delhi
 2. Gupta S.P – Statistical Methods, 2008, Sultan Chand Publisher, New Delhi..
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Reference Books

1. Pal and Sarkar – Statistical concepts and applications –PHI Learning, Delhi.
2. Kazmier – Business Statistics, 2006, Schman Series – Mc Graw Hill, New Delhi.
3. Sanchetti and Kapoor – Advanced Statistical Methods, 2008, Sultan Chand, New Delhi.
4. Croxton, Cowden & Klein – Applied General Statistics, Prentice Hall, Nerw Delhi.
5. John E. Fruend's – Mathematical Statistics with Applications, 2008, Pearson Education, Delhi.

Objectives: To enable the students to

- Know the Application of Quantitative Techniques in various problems.
- Understand the importance of Quantitative Techniques in Production and sales.

UNIT – I

Linear Programming – Nature of Linear Programming Problem – Formulation of Linear Programming problem – Maximization Case – Minimization Case – Assumption under LPP; Solutions of LPP – Graphic Method – Simplex Method.

UNIT –II

Transportation and Transshipment Problem – Solution to Transportation Problem – Simplex Method – Transportation Method – Transshipment Problem.

UNIT –III

Assignment and Travelling Salesman Problem – Complete Enumeration Method- Simplex Method – Transportation Method – Hungarian Assignments Method. Constrained Assignment Problem – Unbalanced Assignment Problem – Travelling Salesman Problem.

UNIT –IV

Queuing Theory – General Structure – The Mode – Replacement Theory – PERT/CPM.

UNIT –V

Decision Theory – Pay - off Table – Opportunity to Loss of regrets Table – Decision Rules – Bayesian Decision Rule – Posterior Analysis – Utility Theory.

Text Books:

1. P.R.Vittal-Resource Management Techniques, Margham Publishers, Chennai
2. V.K.Kapoor- Introduction to Operations Research, Sultan Chand & Co, New Delhi.

Reference Books

1. N.D. Vohra – Quantitative Techniques in Management
2. Gupta and Mohan – Operations Research and Quantitative Analysis
3. C.R. Kothari - An Introduction to Operations Research,

4. Ruessel L Ackoff Naurice W. Sasienti – Fundamentals of Operations Research
5. T. Lucey – Quantitative Techniques
6. Gupta and Khanna – Quantitative Techniques for Decision Making, Sultan Chand & Co New Delhi.
- 7.S.D. Sharma - Operations Research. Kedarnath and Ramnath & C0, Meerut.