B.Sc./B.A.- Semester-I

Paper –I Micro Economics- I

Duration: 3 hrs. Max. Marks : 80 (for Science)
Max. Marks : 70 (Arts)

Note: There will be three parts in end semester paper.
Part A of the paper consists 10 short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.
Part B of the paper consists 5 short answer questions will be carry 10 marks for both Science & Arts.
Part C of the paper consists three units, 3 Long answer questions with internal Choice carrying 20 & 15 marks each Science & Arts respectively.

Unit - I

Introduction

Unit - II

Consumer's Behaviour
Utility - Cardinal (law of diminishing marginal utility and Law of equi marginal utility) and Ordinal (Indifference curve) approaches, Normal, Inferior and Giffin goods, Consumer's equilibrium (Hicks and Slutsky), Derivation of Demand Curve from PCC, price, Income and Substitution effect.

Unit - III

Theory of Costs and Elasticity
Different concepts of cost and revenue curves and their interrelationship, Expansion path. Consumer's surplus.

Theory of Production
Production function, Iso-quant curve, Optimum factor combination, law of variable proportions and Law of Returns to scale.

REQUIRED READINGS:
Koutsoyiannis, A. (1990), Modern Microeconomics, macmillan.
B.Sc./B.A.- Semester-I

Paper –II  Indian Economy -I

Duration: 3 hrs.  Max. Marks : 80 (for Science)

Max. Marks : 70 (Arts)

Note: There will be three parts in end semester paper.

Part A of the paper consists 10 short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.

Part B of the paper consists 5 short answer questions will be carry 10 marks for both Science & Arts.

Part C of the paper consists three units, 3 Long answer questions with internal Choice carrying 20 & 15 marks each Science & Arts respectively.

Unit –I

Introduction: Characteristics and main features of Indian Economy, Natural resources: land, water, minerals, forest, and power resources. Population: Size and growth of population, sex composition, labour force, occupational distribution and Population Policy, Human resources development indicators (i.e. literacy, health, nutrition etc.)

Unit –II

Main features of Indian agriculture: Importance, Nature and Role of agriculture in Indian Economy. Productivity trends of major crops (for last fifteen years) in India, Recent Measures for Agricultural Development relating to Irrigation, Finance and Marketing. New Agricultural Strategy and Modernization of Agriculture. Agriculture policy in India, Capital formation in Indian agriculture,

Unit –III

Land reform Legislation. Uses of fertilization and fertilization policy. Problems of poverty and Regional inequality in India

Economy of Rajasthan: Salient Features of Rajasthan’s Economy, population, Human resources development indicators (i.e. literacy, health, nutrition etc.), per capita income.

Natural resources: Land, water, livestock and minerals.

REQUIRED READINGS:

Dutt, Ruddar and sundharam, KPM: Indian Economy S. Chand, New Delhi.

L.N. Nathuramka; Bhartiya Arthvyavsth, C.B.H., Jaipur.
B.Sc./B.A.- Semester-II

Paper –I Micro Economics -II

Duration: 3 hrs.                            Max. Marks : 80 (for Science)
                                                Max. Marks : 70 (Arts)

Note: There will be three parts in end semester paper.

Part A of the paper consists 10 short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.

Part B of the paper consists 5 short answer questions will be carry 10 marks for both Science & Arts.

Part C of the paper consists three units, 3 Long answer questions with internal Choice carrying 20 & 15 marks each Science & Arts respectively.

Unit - I

Market Structure
Types of market, Equilibrium of a firm under perfect competition, monopoly and price discrimination, Measure of monopoly power, Monopolistic competition and oligopoly .

Unit - II

Factor Pricing
Marginal productivity theory of distribution : Modern theory of wage, Wages and collective bargaining, Wage differentials; Rent – Richardian & Modern theory.

Unit - III

Factor Pricing
Profits - Innovation, Risk and uncertainty theories. Interest – Classical and Keynesian theories,

Welfare Economics
Problems in measuring welfare; Classical welfare economics; Pareto's criteria(Production, Consumption and Distribution)

REQUIRED READINGS:
Koutsoyiannis, A. (1990), Modern Microeconomics, macmillan.
B.Sc./B.A. - Semester-II

Paper –II Indian Economy -II

Duration: 3 hrs. Max. Marks : 80 (for Science)

Max. Marks : 70 (Arts)

Note: There will be three parts in end semester paper.

Part A of the paper consists 10 short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.

Part B of the paper consists 5 short answer questions will be carry 10 marks for both Science & Arts.

Part C of the paper consists three units, 3 Long answer questions with internal Choice carrying 20 & 15 marks each Science & Arts respectively.

Unit –I


Unit –II


Unit –III

Problem of unemployment & inflation in India. Rural development programmes and policy; Sectoral reforms in infrastructure after 1991- power, communication, education & health sectors; Globalization and strategies for MNCs. Economy of Rajasthan: Position of Agriculture, Industries & Infrastructure in Rajasthan. Constraints in economic development in Rajasthan & measures to overcome them.

REQUIRED READINGS:
Dutt, Ruddar and sundharam, KPM : Indian Economy S. Chand, New Delhi.
L.N.Nathuramka ; Bhartiya Arthvyavstha, C.B.H., Jaipur.
B.Sc/B.A. - Semester-III

Paper –I  Macro Economics -I

Duration: 3 hrs.  
Max. Marks : 80 (for Science)
Max. Marks : 70 (Arts)

Note: There will be three parts in end semester paper.

Part A of the paper consists 10 short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.

Part B of the paper consists 5 short answer questions will be carry 10 marks for both Science & Arts.

Part C of the paper consists three units, 3 Long answer questions with internal Choice carrying 20 & 15 marks each Science & Arts respectively.

Unit -I

Introduction to Macro Economics: Meaning, Scope, Importance and Limitations; Basic Concept(Constant and variables , Dependent and Independent variable, Stock and flow, ex-ante and ex- Post variable) Difference between Macro and Micro Economics. Money (definition, various standards) and Price: concept of Money supply and its determinants, Value of Money and its Measurement with Index Numbers.

Unit -II


Unit -III

Determinants of National Income- Consumption Function; Simple Keynesian consumption Function: Factors affecting saving – Consumption:, Investment Function: Meaning, Determination of level of Investment; Equality between saving and Investment.

REQUIRED READINGS:


H. L. Ahuja, Advanced Macroeconomic Theory, S. Chand and Co., Delhi, Latest Edition (English & Hindi ).

B.Sc/B.A. - Semester-III

Paper –II (Opt.a) Elementary Statistics

Duration: 3 hrs.  
Max. Marks : 80 (for Science)  
Max. Marks : 70 (Arts)

Note: There will be three parts in end semester paper.
Part A of the paper consists 10 short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.
Part B of the paper consists 5 short answer questions will be carry 10 marks for both Science & Arts.
Part C of the paper consists three units, 3 Long answer questions with internal Choice carrying 20 & 15 marks each Science & Arts respectively.

Unit - I
Meaning, uses and limitations of statistics, Collection of Statistics Data- Census and sample investigation, classification and presentation of Data- Statistics Tables, Graphs, Frequency Distribution, Diagrams. Measures of Central Tendency: Arithmetic Mean, Median, Mode,

Unit - II
Measures of Dispersion: Range, Quartile Deviation, Mean Deviation, Standard Deviation and Co-efficient of Variation
Simple Correlation: Karl Pearson’s Correlation co-efficient and Spearman’s rank correlation

Unit -III
Linear Regressions analysis (Simple two variable).Index numbers: cost of living index number, fisher's ideal index. Analysis of Time series: components and trends by moving average method and least square method. Determination of seasonal variation. Interpolation – Newton’s and Binomial method

REQUIRED READINGS:
S. P. Gupta, Statistical Methods, Sultan Chand And Sons, Naw Delhi.
Kailash Nath Nager, Sankhiki ke mool tatva, Meenakshi Prakashan, Merut.
B.Sc/B.A. - Semester-III

Paper –II (Opt.b) History of Economic Thought-I

Duration: 3 hrs.  
Max. Marks : 80 (for Science)  
Max. Marks : 70 (Arts)

Note: There will be three parts in end semester paper.
Part A of the paper consists 10 short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.
Part B of the paper consists 5 short answer questions will be carry 10 marks for both Science & Arts.
Part C of the paper consists three units, 3 Long answer questions with internal Choice carrying 20 & 15 marks each Science & Arts respectively.

Unit I

Mercantilism, Physiocrates, Quesnay’s Table Economic, Concept of Surplus, growth theory of taxation and role of Government.
Classical school – Adam Smith, the invisible hand doctrine, Wealth of Nations, Laissez faire. Profits and wages. Modern revival of Adam Smith, Critiques of Adam Smith.

Unit II

Malthus’s theory of population and theory of under-competition. Ricardo-Principles of Political Economy and Taxation. Distribution theory – different rents

Unit III

Critics of the classical school – Sismondi, Socialist and the nationalist school Restatement of the classical position. Senior and the four postulates. J.S. Mill-four prepositions and capital demand and supply bi-furcation wage fund

REQUIRED READINGS:

Eric Roll: History of Economic Thought.
Gide and Rist: History of Economic Doctrine
V. C. Sinha: Arthik Vicharon Ka Itihas
J. C. Kumarappa: Gandhian economic Thought.
B.Sc/B.A. - Semester-IV

Paper –I Macro Economics -II

Duration: 3 hrs. 
Max. Marks : 80 (for Science)
Max. Marks : 70 (Arts)

Note: There will be three parts in end semester paper.
Part A of the paper consists 10 short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.
Part B of the paper consists 5 short answer questions will be carry 10 marks for both Science & Arts.
Part C of the paper consists three units, 3 Long answer questions with internal Choice carrying 20 & 15 marks each Science & Arts respectively.

Unit –I

Unit –II
Concept of Multiplier(investment, complex, Govt, expenditure, tax, transfer payment, balanced budget and foreign trade) and accelerator. The causes of inflation, level of prices and the value of money, The Fisher effect, the cost of Inflation. Characteristics of a monetary economy; the demand for money; the supply of money and Overall liquidity position. Monetary policy of India.

Unit –III
Theory of trade cycle, Hicks and Samuelson theory of trade cycle, modern theory of trade cycle and causes and remedial measures. Functions of Central bank with special reference to India, Function and contribution of commercial bank, Multiple Credit Creation, Banking reforms after 1991.

REQUIRED READINGS:

H. L. Ahuja, Advanced Macroeconomic Theory, S. Chand and Co., Delhi, Latest Edition (English & Hindi).
B.Sc./B.A. - Semester-IV

Paper –II  (Opt.b) History of Economic Thought-II

Duration: 3 hrs.  Max. Marks : 80 (for Science)
                     Max. Marks : 70  (Arts)

Note: There will be three parts in end semester paper.
Part A of the paper consists 10 short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.
Part B of the paper consists 5 short answer questions will be carry 10 marks for both Science & Arts.
Part C of the paper consists three units, 3 Long answer questions with internal Choice carrying 20 & 15 marks each Science & Arts respectively.

Unit -I

Rehabilitation by Cairns, Stationery State Version non-competing groups.

Unit -II


Unit III

Twentieth century economic thought-main features (only the rise of Keynesianism, the rise of mathematical Economics, dynamics and econometrics) Critical evaluation of the development of economic thought Indian economic thought – Kautiya and Gandhi.

REQUIRED READINGS:

Eric Roll: History of Economic Thought.
Gide and Rist: History of Economic Doctrine
V. C. Sinha: Arthik Vicharon Ka Itihas
J. C. Kumarappa: Gandhian economic Thought.
B.Sc./B.A. - Semester-IV

Paper –II (Opt.a) Basic Mathematics For Economics

Duration: 3 hrs.  Max. Marks : 80 (for Science)
Max. Marks : 70 (Arts)

Note: There will be three parts in end semester paper.
Part A of the paper consists 10 short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.
Part B of the paper consists 5 short answer questions will be carry 10 marks for both Science & Arts.
Part C of the paper consists three units, 3 Long answer questions with internal Choice carrying 20 & 15 marks each Science & Arts respectively.

Unit -I

Simultaneous and Quadratic Equations Arithmetic and Geometric Progressions, Logarithms , Concept of Functions.

Unit -II

Linear programming formulation and graphical Solution, determinants and matrix solution of simultaneous equation by cramer's rule.

Unit -III

Simple differentiation , Partial differentiation of function involving two independent variable and their applications in economics ,Maxima and Minima with and without constraints, Integration - one variable case . Definite integrals,Application of integral calculus in economics.

REQUIRED READINGS:

B.Sc/B.A. - Semester-V

Paper - I International Trade and Development Economics

Duration: 3 hrs.  
Max. Marks : 80 (for Science)  
Max. Marks : 70 (Arts)

Note: There will be three parts in end semester paper.

Part A of the paper consists 10 short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.

Part B of the paper consists 5 short answer questions will be carry 10 marks for both Science & Arts.

Part C of the paper consists three units, 3 Long answer questions with internal Choice carrying 20 & 15 marks each Science & Arts respectively.

Unit-I

Unit-II

Unit-III

REQUIRED READINGS:

B.Sc/B.A. - Semester-V

Paper –II (Opt. a) Application of mathematics in economics -I

Duration: 3 hrs. Max. Marks : 80 (for Science)
Max. Marks : 70 (Arts)

Note: There will be three parts in end semester paper.
Part A of the paper consists 10 short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.
Part B of the paper consists 5 short answer questions will be carry 10 marks for both Science & Arts.
Part C of the paper consists three units, 3 Long answer questions with internal Choice carrying 20 & 15 marks each Science & Arts respectively.

Unit-I

Differential Calculus and Integral Calculus: Applications in Economics; Matrix and Determinants; Solution of Simultaneous Equations; Maxima and Minima; Convexity and Concavity.
Theory of Consumer Behaviour: Nature of a Utility Function; Properties of an Indifference Curve, Maximization of Utility. Demand Functions- Ordinary and Compensated,

Unit-II

Price and Income Elasticity, Elasticity Relations in Demand Analysis, Slutsky Equation in two Commodity Case, Elasticity Form and Important Results; Income and Leisure - Derivation of Labour Supply Function and its Properties.

Unit-III

Theory of Firm: Production Function- Properties of a Well Behaved and Homogeneous Production Functions -Cobb-Douglas and CES Production Functions; Product Curves; Output Elasticity of Factor Input; Properties of an Isoquant; Elasticity of Substitution of a Homogeneous Production Function- Linearly Homogeneous and Cobb-Douglas Production Functions;

REQUIRED READINGS:

2. RGD Allen, Mathematical Economics, McMillan
B.Sc/B.A. - Semester-V

Paper – II (Opt. b) Environmental Economics-I

Duration: 3 hrs. 
Max. Marks : 80 (for Science)
Max. Marks : 70 (Arts)

Note: There will be three parts in end semester paper.
Part A of the paper consists 10 short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.
Part B of the paper consists 5 short answer questions will be carry 10 marks for both Science & Arts.
Part C of the paper consists three units, 3 Long answer questions with internal Choice carrying 20 & 15 marks each Science & Arts respectively.

Unit-I

Unit-II
Common Property Resources and their Depletion, Ecosystems – Loss of Biodiversity; Sustainable Development; Environmental Problems of Industrial Development: Water Pollution, Air Pollution, Noise Pollution ; Depletion of Ozone Layer- Carbon Credit;

Unit-III
Environmental Problems of Agricultural Development- Salinity, Water Logging, Desertification of Land ; Excess Use of Water, Fertilizers and Pesticides, Farm Implements Cropping Pattern; Natural Farming; Forest Depletion: Causes and Impact.

REQUIRED READINGS:
B.Sc./B.A. - Semester-VI

Paper - I  Public Finance

Duration: 3 hrs.  Max. Marks : 80 (for Science)
Max. Marks : 70 (Arts)

Note: There will be three parts in end semester paper.
Part A of the paper consists 10 short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.
Part B of the paper consists 5 short answer questions will be carry 10 marks for both Science & Arts.
Part C of the paper consists three units, 3 Long answer questions with internal Choice carrying 20 & 15 marks each Science & Arts respectively.

Unit-I


Unit-II


Unit-III


REQUIRED READINGS:

B.A./B.Sc - Semester-VI

Paper –II (Opt. a) Application of mathematics in economics

Duration: 3 hrs.  Max. Marks : 80 (for Science)

Note: There will be three parts in end semester paper.

Part A of the paper consists 10 short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.

Part B of the paper consists 5 short answer questions will be carry 10 marks for both Science & Arts.

Part C of the paper consists three units, 3 Long answer questions with internal Choice carrying 20 & 15 marks each Science & Arts respectively.

Unit-I

Optimization Behaviour of a Firm- Constrained Cost Minimization, Constrained Output Maximization and Profit Maximization; Input Demand Functions- Properties and Derivation of Producer’s First Order Difference Equation- Cobweb Model.

Unit-II

Input Demand functions; Cost Functions- Properties and Derivation of Short Run and Long Run Cost functions; Consumer's and Producer’s Surplus.

Linear Programming: Graphical and Simplex Method (Maximization Problem Only);

Unit-III


REQUIRED READINGS:

2. RGD Allen, Mathematical Economics, McMillan
B.Sc./B.A. - Semester-VI

Paper – II (Opt. b) Environmental Economics-II

Duration: 3 hrs.  
Max. Marks : 80 (for Science) 
Max. Marks : 70 (Arts)

Note: There will be three parts in end semester paper. 
Part A of the paper consists 10 short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively. 
Part B of the paper consists 5 short answer questions will be carry 10 marks for both Science & Arts. 
Part C of the paper consists three units, 3 Long answer questions with internal Choice carrying 20 & 15 marks each Science & Arts respectively.

Unit-I
Role of Various Sectors in Environment Protection: Role of Public / Government, Private, Co-operative Sectors and NGOs in Environment Protection;

Unit-II
Environmental Policy in India: Environment Protection Laws in India, Central pollution Control Board, State Pollution Control Boards, Local Bodies and Environment Protection.

Unit-III

REQUIRED READINGS: