S.S. JAIN SUBODH P.G. (AUTONOMOUS) COLLEGE
Syllabus B.A/B.Sc. Economics

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 the End Semester paper.
Part A consists of *ten* (10) short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.
Part B consists of five (5) short answer questions carrying 10 marks each for both Science & Arts.
Part C consists of *three* units having three (3) essay type questions with internal choice, carrying 20 & 15 marks each for Science & Arts respectively.

Unit - I

Introduction

Nature and Scope of Economics, Methods of Economic Analysis – Inductive and Deductive, Static and Dynamic Analysis, Choice as an Economic Problem, Law of Demand, Elasticity of Demand and its Measurement, Concept of Equilibrium, Consumer's Surplus.

Unit - II

Consumer's Behavior

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 Revenue

Different Concepts of Cost and Revenue Curves and their Interrelationship.

Theory of Production

Production Function, Iso-Quant Curve, Expansion Path, Optimum Factor Combination, Law of Variable Proportions and Law of Returns to Scale.

REQUIRED READINGS:

Ahuja ,H.L.: Principles of Economics, S. Chand and Company, New Delhi.
Savator, Dominick: Micro Economics- Theory and Application, Oxford University Press.2008.
Nathuramka , L.N. : Vyashti Arthesashtra, R.B.D Publication., Jaipur.
Koutsoyiannis, A: Modern Microeconomics, Macmillan, London 1990
Robert S. Pindyck and Daniel L. Rubinfeld: Microeconomics, Pearson Education Inc., News Delhi.

Hal R. Varian: Microeconomic Analysis, W.W. Norton & Company Inc., New York.

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 the End Semester paper.
Part A consists of *ten* **(10) short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.**
Part B consists of five (5) short answer questions carrying 10 marks each for both Science & Arts.
Part C consists of *three* **units having three (3) essay type questions with internal choice, carrying 20 & 15 marks each for 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, Labor 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, Finance and Marketing (Financial Institutions and Co-operative Society), New Agricultural Strategy and Modernization of Agriculture, Agriculture Policy in India, Second Green Revolution, New Public Distribution System

Unit –III

Problems of Poverty and Unemployment in India. GST, Demonetization.
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 and Sundram: Indian Economy, S. Chand (Latest Ed) (Hindi and English).
A.N. Agrawal: Indian Economy, New Age International Publication (P) Limited, (Latest Ed) (Hindi and English).
Laxmi Narayan Nathuramka: Bhartiya Arthshvyavastyha, R.B.D.Publication, Jaipur.(Latest Ed).
Mishra And Puri: Indian Economy, Himalaya Publishing House (Latest Ed) (Hindi and English).
Economic Survey (Latest), GOI.
Monthly Bulletins, RBI.

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 the End Semester paper.
Part A consists of *ten* (10) short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.
Part B consists of five (5) short answer questions carrying 10 marks each for both Science & Arts.
Part C consists of *three* units having three (3) essay type questions with internal choice, carrying 20 & 15 marks each for Science & Arts respectively

Unit - I

Market Structure

Types of Market, Equilibrium of a Firm under Perfect Competition, Monopoly, Price Discrimination, Measure of Monopoly Power, Monopolistic Competition and Oligopoly (Introduction).

Unit - II

Factor Pricing

Marginal Productivity Theory of Distribution: Modern Theory of Wage, Wages and Collective Bargaining, Wage Differentials; Rent – Richardian and Modern theory.

Unit - III

Factor Pricing

Profits - Innovation, Risk and Uncertainty Theory. Interest – Classical and Keynesian Theories

Welfare Economics

Problems in Measuring Welfare, Classical Welfare Economics, Pareto's Criteria (Production, Consumption and Distribution)

REQUIRED READINGS:

Ahuja ,H.L.: Principles of Economics, S. Chand and Company, New Delhi.
Savator, Dominick: Micro Economics- Theory and Application, Oxford University Press.2008.
Nathuramka ,L.N. : Vyashti Arthesashtra, R.B.D Publication., Jaipur.
Koutsoyiannis, A. (1990), Modern Microeconomics, macmillan. . A. Koutsoyiannis: Modern Microeconomics, M acmillan, London.
Robert S. Pindyck and Daniel L. Rubinfeld: Microeconomics, Pearson Education Inc., New Delhi.
Hal R. Varian: Microeconomic Analysis, W.W. Norton & Company Inc., New York.

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 the End Semester paper.
Part A consists of *ten* (10) short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.
Part B consists of five (5) short answer questions carrying 10 marks each for both Science & Arts.
Part C consists of *three* units having three (3) essay type questions with internal choice, carrying 20 & 15 marks each for Science & Arts respectively

Unit –I

Industry: Role, Strategy & Challenges in India, Industrial Policy- Pre and Post Reform Period. MSME (Definition, Problems), Industries-Problems and Measures for their Development, Industrial Finance- Role of Financial Institutions & Commercial Banks. New Economic Policy, Public Sector Industries, Public Sector Reforms, Disinvestment in Public Sector Undertakings.

Unit –II

Indian Foreign Trade: Volume, Structure and Direction, Foreign Trade Policy of India (2015-20), FDI and FII, Planning in India: Objectives, Strategy and Overall evaluation. NITI Ayog, Recent Government Policy (Skill India, Make in India, Start up India, Digital India)

Unit –III

Problem of Inflation & Income Inequality in India, Rural Development Programs and Policy, Globalization and strategies for MNCs, Economy of Rajasthan: Position of Agriculture, Industries & Infrastructure in Rajasthan, Constraints in Economic Development in Rajasthan & Measures to Overcome.

REQUIRED READINGS:

Dutt and Sundram: Indian Economy, S. Chand (Latest Ed) (Hindi and English).
A.N. Agrawal: Indian Economy, New Age International Pub. (P) Limited, (Latest Ed) (Hindi and English).
Lax mi Narayan Nathuramka: Bhartiya Arthshastra, R.B.D.Publication, Jaipur (Latest Ed).
Mishra A Puri: Indian Economy, Himalaya Publishing House (Latest Ed) (Hindi and English).
Economic Survey (Latest), GOI.
Monthly Bulletins, RBI.

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 the End Semester paper.
Part A consists of *ten* **(10) short answer questions carrying 1 & 1.5 marks each for Science & Arts**
respectively.
Part B consists of five (5) short answer questions carrying 10 marks each for both Science & Arts.
Part C consists of *three* **units having three (3) essay type questions with internal choice, carrying 20 & 15**
marks each for Science & Arts respectively.

Unit –I

Introduction to Macro Economics: Meaning, Scope, Importance and Limitations, Basic Concepts (Constant and variables, Dependent and Independent Variable, Stock and Flow, Ex-ante and Ex- post variable) Difference between Macro and Micro Economics, National Income: Concepts relating to National Product/National Income, Measurement of National Income, National Income and Economic Welfare, Circular flow of Income -Injection and Leakages.

Unit –II

Quantity Theory of Money: Transaction, Cash- Balance and Keynesian Approach, Complete Classical Model of Employment, Income and Output, Say's Law of Market, Keynesian Model of Employment, Income and Output (without IS – LM curves), Aggregate Demand and Aggregate Supply, Equality between Saving and Investment.

Unit –III

Consumption Function, Simple Keynesian Consumption Function, Relative Theory of Consumption, Life Cycle Theory of Consumption, Permanent Income Theory of Consumption. Factors affecting Consumption.

REQUIRED READINGS:

Errol D'Souza, Macroeconomics, Pearson Education.
Richard, T. Froyen, Macro Economics: Theories and Policies, Pearson Education.
P. Edgemond, Macreconomics, PHI, New Delhi.
Gregory Mankiw, Macroeconomics, CBS Publishers, New Delhi.
Robert J. Gorden, Macroeconomics, Harper Collins.
Ahuja ,H.L.: Principles of Economics, S. Chand and Company, New Delhi..
Nathuramka ,L.N. : Samashti Arthesashtra, R.B.D. Publisher, Jaipur.

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

Paper –II (Opt. a) Introduction to Statistics and Mathematics for Economics-I

Duration: 3 hrs.
Max. Marks: 80 (for Science)
Max. Marks: 70 (Arts)
Note: There will be three parts in the End Semester paper.
Part A consists of *ten* **(10) short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.**
Part B consists of five (5) short answer questions carrying 10 marks each for both Science & Arts.
Part C consists of *three* **units having three (3) essay type questions with internal choice, carrying 20 & 15 marks each for 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

Simultaneous and Quadratic Equations, Arithmetic and Geometric Progressions, Logarithms, Concepts of Function

REQUIRED READINGS:

S.P. Gupta: Statistical Methods, Sultan Chand & Sons, New Delhi.
Kailash Nath Nagar: Sankhyiki Ke Mool Tatva (Hindi) Meenakshi Prakashan, Meerut.
A.L. Nagar & R.K. Das: Basic Statistics, Oxford University; Press, New Delhi.
D.R. Agarwal: Quantitative Methods, Vrinda Publication
R. G. D. Allen: Mathematical Analysis for Economics, MacMillan, London.
Laxmi Narain Nathuramka: Arthshastra Mem Ganit Ke Prayog (Hindi), RBD Publication, Jaipur.
B.C. Mehta and G. M. K. Madnani: Mathematics for Economists, Sultan Chand & Sons, New Delhi.
Balvant Kandoi: Mathematics for Business and Economics with Application, Volume -II & Himalaya Publishing House, I.

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 the End Semester paper.
Part A consists of *ten* (10) short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.
Part B consists of five (5) short answer questions carrying 10 marks each for both Science & Arts.
Part C consists of *three* units having three (3) essay type questions with internal choice, carrying 20 & 15 marks each for Science & Arts respectively.

Unit I

Mercantilism, Physiocrates, Quesnay's Table, Economic Concept of Surplus,
Classical School- Adam Smith, the Invisible Hand Doctrine, Wealth of Nation, Laissez Faire, Profit and Wages, Modern Revival of Adam Smith.

Unit II

Malthus's Theory of Population and Theory of Under- Competition, Ricardo- Principles of Political Economy and Taxation, Distribution Theory-Differentiated Rent

Unit III

Critics of the Classical School- Sismondi and National 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:

T.N. Hajela, History of Economic Thought, Publisher: ANE Books.
Blaug, M 1997, Economic Theory in retrospect, Cambridge University Press, Cambridge
Pant and Seth, Arthik Vicharon Ka Itihas, Laxmi Narayan Agrawal, Agra.
Dasgupta A.K.L (1985) Epochs of Economic Theory, Oxford University Press,NewDelhi.
Ekelund and Hebert: A History of Economic Theory and Method (1990) McGraw Hill Publication Co.New York.
Ghosh and Ghosh: Concise History of Economic Thought, Himalaya Publication.
Gill Richard: (1972) Evolution of Modern Economics, Prentice Hall of India.
Hunt E.K: (1990) History of Economic Thought, Wadsworth Publishing Company

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 the End Semester paper.
Part A consists of *ten* (10) short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.
Part B consists of five (5) short answer questions carrying 10 marks each for both Science & Arts.
Part C consists of *three* units having three (3) essay type questions with internal choice, carrying 20 & 15 marks each for Science & Arts respectively.

Unit –I

Concept of Multiplier (Investment, Complex, Govt, Expenditure, Tax, Transfer Payment, Balanced Budget and Foreign Trade) and Accelerator. Money Supply and (High Powered Money) its determinants.

Unit –II

Value of Money and its Measurement with Index Numbers, Inflation (Cost Push and Demand Pull), Causes of Inflation, Stagflation, Philips Curve, Level of Prices and the Value of Money, Liquidity Preference Theory of Interest, Monetary Policy

Unit –III

Theory of Trade Cycle, Hicks and Samuelson's Theory of Trade Cycle, Causes and Remedial Measures, Functions of Central Bank with special reference to India, Function of Commercial Banks and Multiple Credit Creation.

REQUIRED READINGS:

Errol D'Souza, Macroeconomics, Pearson Education.
Richard, T. Froyen, Macro Economics: Theories and Policies, Pearson Education.
P. Edgemond, Macreconomics, PHI, New Delhi.
Gregory Mankiw, Macroeconomics, CBS Publishers, New Delhi.
Robert J. Gorden, Macroeconomics, Harper Collins.
Ahuja ,H.L.: Principles of Economics, S. Chand and Company, New Delhi.
Nathuramka ,L.N. : Samashti Arthesashtra, R.B.D. Publisher, Jaipur.

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 the End Semester paper.
Part A consists of *ten* (10) short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.
Part B consists of five (5) short answer questions carrying 10 marks each for both Science & Arts.
Part C consists of *three* units having three (3) essay type questions with internal choice, carrying 20 & 15 marks each for Science & Arts respectively.

Unit –I

Evaluation of Socialist Thought- Utopian, Socialism, Saint Simon, Robert Own, Louis Blanc, Fourier, and Proudhon, Scientific Socialist

Unit –II

Karl Mark- Efforts at Scientific Socialism, Organic Composition of Capital, Break down of Capitalism. Revival of Mark in Economics, The German Historical School and the Development of Marginalism, The Neo Classical School, Marshall.

Unit III

Twentieth Century Economic Thought- Main features (Only the rise of Keynesianism, the rise of the Mathematical Economics, Dynamics and Econometrics) Critical Evaluation of the Development of Economic Thought, Indian Economic Thought- Kautilya and Gandhi.

REQUIRED READINGS:

T.N. Hajela,History of Economic Thought , Publisher: ANE Books.
Blaug, M 1997, Economic Theory in retrospect, Cambridge University press, Cambridge
Pant and Seth, Arthik Vicharon Ka Itihas, Laxmi Narayan Agrawal, Agra.
Dasgupta A.K.L1985) Epochs of Economic Theory, Oxford Univ Press,NewDelhi.
Ekelund and Hebert: A History of Economic Theory and Method (1990) McGraw Hill Publ Co.New York.
Ghosh and Ghosh; Concise History of Economic Thought, Himalaya.
Gill Richard: (1972) Evolution of Modern Economics, Prentice Hall of India.
Hunt E.K : (:1990) History of Economic Thought, Wadsworth Publishing Company

B.Sc. /B.A. - Semester-IV
Paper –II (Opt. a) Introduction to Statistics and Mathematics for Economics-II

Duration: 3 hrs.
Max. Marks: 80 (for Science)
Max. Marks: 70 (Arts)
Note: There will be three parts in the End Semester paper.
Part A consists of *ten* (10) short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.
Part B consists of five (5) short answer questions carrying 10 marks each for both Science & Arts.
Part C consists of *three* units having three (3) essay type questions with internal choice, carrying 20 & 15 marks each for Science & Arts respectively.

Unit –I

Linear Regressions Analysis (Simple two variables), 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.

Unit -II

Interpolation – Newton's and Binomial Method, 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:

S.P. Gupta: Statistical Methods, Sultan Chand & Sons, New Delhi.
Kailash Nath Nagar: Sankhyiki Ke Mool Tatva (Hindi) Meenakshi Prakashan, Meerut.
A.L. Nagar & R.K. Das: Basic Statistics, Oxford University; Press, New Delhi.
D.R. Agarwal: Quantitative Methods, Vrinda Publication
R. G. D. Allen: Mathematical Analysis for Economics, MacMillan, London.
Laxmi Narain Nathuramka: Arthshastra Mem Ganit Ke Prayog (Hindi), RBD Publication, Jaipur.
B.C. Mehta and G. M. K. Madnani Mathematics for Economists, Sultan Chand & Sons, New Delhi..
Balvant Kandoi: Mathematics for Business and Economics with application, Volume — I & II, Himalaya Publishing House.

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 the End Semester paper.
Part A consists of ten (10) short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.
Part B consists of five (5) short answer questions carrying 10 marks each for both Science & Arts.
Part C consists of three units having three (3) essay type questions with internal choice, carrying 20 & 15 marks each for Science & Arts respectively.

Unit-I

Features of International Trade, Gains from Trade, Trade Theories – Adam Smith, Ricardo, Haberler, Mill and H- O Theory (Elementary Treatment).

Unit-II

Free Trade and Protection. Foreign Exchange Market and Exchange Rate, Balance of Trade and Balance of Payment – Definition and Structure, WTO – Scope and Impact

Unit-III

Economic Growth and Development – Factors affecting Economic Growth, Development and Underdevelopment, Measures of Development, Lewis Theory of Unlimited Supply of Labour, Balanced vs. Unbalanced Growth Model, Harrod – Domar & Solow's Model.

REQUIRED READINGS:

D. Salvatore : International Economics, John Wiley and Sons.
K. C. Rana and K. N. Verma: International Economics. (Hindi/English edition) Vishal Publishing Company, Delhi.
B. O. Soderston & G. Reed: International Economics, Palgrave Macmillan.
Michael P. Todaro, Economic Development, Pearson Education.
A. P. Thirwal, Growth and Development, Macmillan.
Debraj Raj, Development Economics, Oxford University Press.
S. K. Mishra and V. K. Puri, Economics of Development and Planning – Theory and Practice, Himalaya Publishing House.

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 the End Semester paper.
Part A consists of *ten* (10) short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.
Part B consists of five (5) short answer questions carrying 10 marks each for both Science & Arts.
Part C consists of *three* units having three (3) essay type questions with internal choice, carrying 20 & 15 marks each for 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 Labor 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:

J.M. Henderson and R.L. Quandt: Micro Economic Theory: A Mathematical Approach, McGraw-Hill. London.
RGD Allen, Mathematical Economics, McMillan
Alpha C Chiang: Fundamental Methods of Mathematical Economics, McGraw-Hill, Kagakusha, Tokyo.
 S. Sharma and A. Arora, Mathematical Economics, Ritu Publication, Jaipur

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 the End Semester paper.
Part A consists of *ten* **(10) short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.**
Part B consists of five (5) short answer questions carrying 10 marks each for both Science & Arts.
Part C consists of *three* **units having three (3) essay type questions with internal choice, carrying 20 & 15 marks each for Science & Arts respectively.**

Unit-I

Environmental Economics**:** Meaning, Nature, Scope and Significance, Economic Development and the Environment, Common Property Resources and their Depletion.

Unit-II

Ecosystems – Loss of Biodiversity, Sustainable Development, Environmental Problems of Industrial Development: Water Pollution, Air Pollution, Noise Pollution, Depletion of Ozone Layer- Carbon Credit, Pigovian Fees.

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:

Bhattacharya R.N. (Ed) (2001), Environmental Economics: An Indian Perspective, Oxford University Press, New Delhi.
Charles D. Kolstad, Environmental Economics, Oxford University Press, 2011.
U.Shankar (Ed)(2001), Environmental Economics , Oxford University Press, New Delhi.
Baumal, W. J. & W. E. (1997), Theory of Environmental Policy, Prentice Hall, Englewood-Cliffs.
Dorfman, R. & N. Dorfman (Eds.) (1977), Economics of the Environment, W. W. Norton, New York.
Nijkamp, P. (Ed.) (1976), Environmental Economics, Vol. I & II, Martinus Nijhoft, Leiden
Karpagam, M. (1993), Environmental Economics, Sterling Publishers, New Delhi.

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 the End Semester paper.
Part A consists of *ten* (10) short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.
Part B consists of five (5) short answer questions carrying 10 marks each for both Science & Arts.
Part C consists of *three* units having three (3) essay type questions with internal choice, carrying 20 & 15 marks each for Science & Arts respectively.

Unit-I

Nature and Scope of Public Finance, Role of Government in the Economy. Optimal Budgeting. Public goods and Private goods.

Unit-II

Public Revenue – Canons of Taxation. Incidence, Impact and Shifting of Taxation. Direct and Indirect Taxation.

Unit-III

Public Expenditure – Canons of Public Expenditure, Classification and Effect on Production and on Distribution. Public Debt – Meaning, Objectives, Burden and Theories of Public Debt. Fiscal Policy – Meaning, Objectives and Anti inflationary Policy.

REQUIRED READINGS:

R. A. Musgrave and P. B. Musgrave, Public Finance in Theory & Practice, McGraw Hill Publication.
S. Ganguli, Public Finance, The World Press Pvt. Ltd.
H. L. Bhatia, Public Finance, Vikas Publishing House Pvt. Ltd.
John Callis and Philip Jones, Public Finance and Public Choice, Oxford University Press.

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

Paper –II (Opt. a) Application of Mathematics in Economics-II

Duration: 3 hrs.
Max. Marks: 80 (for Science)
Max. Marks: 70 (Arts)
Note: There will be three parts in the End Semester paper.
Part A consists of *ten* (10) short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.
Part B consists of five (5) short answer questions carrying 10 marks each for both Science & Arts.
Part C consists of *three* units having three (3) essay type questions with internal choice, carrying 20 & 15 marks each for 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

Input-Output Analysis: Concepts of Static, Dynamic, Closed and Open Input - Output Models, Hawkins-Simon Conditions of Viability, Determination of Gross Output, and Value Added in Open Input –Output Model; Theory of Games: Two-Person Constant Sum Games, Zero-Sum Game, Maximin and Minimax, Dominant Strategies and Saddle Point Solution

REQUIRED READINGS:

J.M. Henderson and R.L. Quandt: Micro Economic Theory: A Mathematical Approach, McGraw-Hill. London.
RGD Allen, Mathematical Economics, McMillan .
Alpha C Chiang: Fundamental Methods of Mathematical Economics, McGraw-Hill, Kagakusha, Tokyo.
S. Sharma and A. Arora, Mathematical Economics, Ritu Publication, Jaipur

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 the End Semester paper.
Part A consists of *ten* (10) short answer questions carrying 1 & 1.5 marks each for Science & Arts respectively.
Part B consists of five (5) short answer questions carrying 10 marks each for both Science & Arts.
Part C consists of *three* units having three (3) essay type questions with internal choice, carrying 20 & 15 marks each for 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. Market Failure.

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

Global Environmental Issues**:** WTO and Environment, Trade and Environment- Climate Change, Natural Resource Accounting, International Attempts to Protect the Environment: Movements, Laws, and Agreements.

REQUIRED READINGS:

Bhattacharya R.N. (Ed) (2001), Environmental Economics: An Indian Perspective, Oxford University Press, New Delhi.
Charles D. Kolstad, Environmental Economics, Oxford University Press, 2011.
U.Shankar (Ed)(2001), Environmental Economics , Oxford University Press, New Delhi.
Baumal, W. J. & W. E. (1997), Theory of Environmental Policy, Prentice Hall, Englewood-Cliffs.
Dorfman, R. & N. Dorfman (Eds.) (1977), Economics of the Environment, W W. Norton, New York.
Nijkamp, P. (Ed.) (1976), Environmental Economics, Vol. I & II, Martinus Nijhoft, Leiden
Karpagam, M. (1993), Environmental Economics, Sterling Publishers, New Delhi.

S. S. Jain Subodh P. G. (Autonomous) College, Jaipur
College, Jaipur
(Affiliated to University of Rajasthan, Jaipur)

B. A. /B. Sc. Economics
Department of Economics

B.Sc./B.A.- Semester-I
   Paper –I Micro Economics -I
   Paper –II Indian Economy -I

B.Sc./B.A.- Semester-II
   Paper –I Micro Economics -II
   Paper –II Indian Economy -II

B.Sc. /B.A. - Semester-III
   Paper –I Macro Economics -I
   Paper –II (Opt. a) Introduction to Statistics and Mathematics for Economics-I
   Paper –II (Opt. b) History of Economic Thought-I

B.Sc. /B.A. - Semester-IV
   Paper –I Macro Economics -II
   Paper –II (Opt. a) Introduction to Statistics and Mathematics for Economics-II
   Paper –II (Opt. b) History of Economic Thought-II

B.Sc. /B.A. - Semester-V
   Paper - I International Trade and Development Economics
   Paper –II (Opt. a) Application of Mathematics in Economics -I
   Paper – II (Opt. b) Environmental Economics-I

B.Sc. /B.A. - Semester-VI
   Paper - I Public Finance
   Paper –II (Opt. a) Application of Mathematics in Economics-II
   Paper – II (Opt. b) Environmental Economics-II