



# CHHATRAPATI SHAHU JI MAHARAJ UNIVERSITY, KANPUR

STRUCTURE OF SYLLABUS FOR THE

PROGRAM: M.A. , SUBJECT: ECONOMICS

Syllabus Developed by		
Name of BoS Convenor / BoS Member	Designation	College/University
DR. UMESH CHANDRA BAJPAI	Convenor	D.S.N. P.G. COLLEGE, UNNAO

SEMESTER / YEAR	COURSE CODE	TYPE	COURSE TITLE	CREDITS	CIA	ESE	MAX. MARKS
1 <sup>ST</sup> YEAR / 1 <sup>ST</sup> SEM	A080701T	CORE	MICRO ECONOMIC ANALYSIS-1	5	25	75	100
	A080702T	CORE	MACRO ECONOMIC ANALYSIS-1	5	25	75	100
	A080703T	CORE	PUBLIC FINANCE	5	25	75	100
	A080704T	CORE	DEMOGRAPHY	5	25	75	100
1 <sup>ST</sup> YEAR / II <sup>ND</sup> SEM	A080801T	CORE	MICRO ECONOMIC ANALYSIS-2	5	25	75	100
	A080802T	CORE	MACRO ECONOMIC ANALYSIS-2	5	25	75	100
	A080803T	ELECTIVE	AGRICULTURE ECONOMICS	5	25	75	100
	A080804T		ELEMENTARY STATISTICS				
	A080805T	ELECTIVE	RESEARCH METHODOLOGY	5	25	75	100
	A080806T		INDIAN PUBLIC FINANCE				
	A080807R	PROJECT	RESEARCH PROJECT/INDUSTRIAL TRAINING/ INTERNSHIP/SURVEY WORK & VIVA-VOCE	8	25	75	100
	MINOR ELECTIVE	FROM OTHER FACULTY (IN 1 <sup>ST</sup> YEAR)	4/5/6	25	75	100	
II <sup>ND</sup> YEAR / III <sup>RD</sup> SEM	A080901T	CORE	INTERNATIONAL ECONOMICS	5	25	75	100
	A080902T	CORE	ECONOMICS OF GROWTH	5	25	75	100
	A080903T	ELECTIVE	INDIAN ECONOMIC POLICY	5	25	75	100
	A080904T		ENVIRONMENTAL ECONOMICS				
	A080905T	ELECTIVE	QUANTITATIVE ANALYSIS	5	25	75	100
	A080906T		INDUSTRIAL ECONOMICS				
II <sup>ND</sup> YEAR / IV <sup>TH</sup> SEM	A081001T	CORE	MONETARY ECONOMICS	5	25	75	100
	A081002T	CORE	ECONOMICS OF DEVELOPMENT	5	25	75	100
	A081003T	ELECTIVE	RURAL ECONOMICS	5	25	75	100
	A081004T		SOCIAL SECTOR & DEVELOPMENT ISSUES				
	A081005T	ELECTIVE	ECONOMIC THOUGHT	5	25	75	100
	A081006T		LABOUR ECONOMICS				
	A081007R	PROJECT	RESEARCH PROJECT/INDUSTRIAL TRAINING/ INTERNSHIP/SURVEY WORK & VIVA-VOCE	8	25	75	100

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**NOTE:**

1. \*A MINOR ELECTIVE FROM OTHER FACULTY SHALL BE CHOSEN IN 1<sup>ST</sup> YEAR (EITHER 1st / IInd SEMESTER) AS PER AVAILABILITY.
2. In both years of PG program, there will be a Research Project or equivalently a research-oriented Dissertation as per guidelines issued earlier and will be of 4 credit (4 hr/week), in each semester. The student shall submit a report/dissertation for evaluation at the end of the year, which will be therefore of 8 credits and 100 marks
3. Research project can be done in form of Internship/Survey/Field work/Research project/ Industrial training, and a report/dissertation shall be submitted that shall be evaluated via seminar/presentation and viva voce.
4. The student straight away will be awarded 25 marks if he publishes a research paper on the topic of Research Project or Dissertation.



1st YEAR

## Semester 1

Page-1

PAPER-1 - Micro Economic Analysis 1 A080701T

**Unit 1:** Demand Analysis theories of demand, indifference curves (price, income, and substitution effect), Slutsky theorem, compensated demand curve and their application, revision of demand theory by Hicks consumers choice

**Unit 2:** Theory of Production and Costs. Production function – short period and long period, the law of variable proportion and returns to scale isoquant curve, Technical progress and Production function, Cobb Douglas theorem, modern theories of costs – empirical evidence, derivation of costs functions from production functions

**Unit 3:** Price and Out-put determination under different market structures, Price determination of a firm under monopolistic competition, Chamberlin's equilibrium, theory of excess capacity, Chamberlin's concept of excess capacity, selling costs, oligopoly price leadership collusive oligopoly. Cournot's Model, Bertrand's Model, Edgeworth's Model price rigidity, Kinked Demand Curves


**Unit 4:** Neoclassical approach – marginal productivity theory, product exhaustion theorem, theory of distribution in imperfect product and factor markets, Determination of Rent, Wages, Interest and Profit.

### Readings List –

**Advanced Economic Theory -H.L.Ahuja**

**Micro Economic Theory – C.B Ferguson**

**Modern Micro Economics – Koutsoyiannis**

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## Semester-1

### PAPER 2- (Macro Economic Analysis-I)

Page 2

A080702T

#### Unit-1 : National Income & Accounting Methods

Circular Flow of Income in two, three and four sector economies, Different forms of National Income Accounting-Social accounting, Input-Output Accounting, Flow of Funds Accounting and Balance of Payment Accounting.

#### Unit-2: Consumption Function

Consumption Analysis, Short-Run & Long-Run Consumption Function, Empirical Evidence on Consumption Function, Income-consumption relationship-Absolute Income, Relative Income, Life Cycle and Permanent Income Hypothesis

#### Unit-3: Investment Function

Marginal efficiency of Investment and level of investment-long run & short run, The Accelerator and Investment Behaviour, Multiplier and Super Multiplier, Impact of Inflation, Influence of policy measures on investment-empirical evidence.

#### Unit-4 : Neo-Classical & Keynesian Synthesis

The IS-LM Model, Extension of IS-LM Model with government sector, Relative effectiveness of monetary and fiscal policies, Extension of IS-LM models with labour market and flexible prices.

#### Basic Reading List

- Ackley, G. (1978), Macroeconomics: Theory and Policy, Macmillan, New York.
- Branson W.A.(1989), Macroeconomic Theory and Policy,(3rd Edition) Harper and Row, New York.
- Shapiro E.(1996), Macroeconomic Analysis, Galgotia Publications, NewDelhi
- Dornbush R., Fischer S. and Startz R.(1997) Macroeconomics, McGraw Hill, New York

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# Semester 1

Page 3

## PAPER 3 - Public Finance A080703T

**Unit 1:** Role of government in organized society, public and private sector, cooperation or competition, Private goods Public goods, and Merit goods  
Market failure – imperfections, decreasing costs externalities.

**Unit 2:** Public Expenditure – Wagner's law of increasing state activities, Wiseman Peacock Hypothesis, Pure theory of public expenditure, structure and growth of public expenditure, Social cost-benefit analysis– project evaluation, Programme budgeting, and zero bases budgeting

**Unit 3:** Taxation and Public Debts – Theory incidence – Alternative concepts of incidence, Benefit and Ability to Pay approaches, Theory of optimal taxation, The problem of double taxation. Public Borrowing and price level principles of debt management and re-payment

**Unit 4:** Objectives are Fiscal Policy – Full employment, Anti- Inflation, Economic growth, Redistribution of Income and wealth, and Fiscal Policy for stabilization. Alternative managers of resources mobilization and their impact on growth, distribution, and prices

### ReadingsList :-

Public Finance – J. C. Pant

Public Economics – Tyagi

The Public Finance – J M Buchanan

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PAPER 4 - Demography

A080704T

Unit - 1: -

Introduction:-

- Meaning, Scope, Subject matter and importance of demography.
- Components of population growth and their Inter-dependence.
- Population growth, poverty and economic development.
- Theories of population: Malthusian Theory of population, Optimum theory of population, Theory of Demographic Transition.
- Population explosion.
- International aspects of population growth and distribution: Methods of population projection and age pyramid.
- Life Table: Meaning and use of Life-Table.

Unit - 2: -

Fertility, Mortality, Nuptiality and Migration:

- Importance of study of fertility and its various measurements: CBR, GFR, TFR, ASFR, SFR, GRR and NRR.
- Factors affecting fertility – Socio-economic and cultural determinants.
- Mortality and its various measurements: CDR, ASDR, IMR, SDR and MMR.
- Nuptiality Analysis: Concepts and determinants.
- Migration & Urbanisation concepts and types, factors affecting migration, Unbanisation – growth and distribution of rural-urban population in developed and developing countries.

Unit - 3: -

Population and Development with Reference to India:

- Population, economy and environmental linkages, Population health, nutrition, productivity nexus.
- Major sources of population and demographic data.
- Population policy in India.
- Population and human development issues-cultures, education and fertility.

Unit - 4: -

Sources and Methods of Demographic Data:

- Census, Sampling, Vita Registration methods, NFHS/SRS and DHS.
- Index of Human Development or Quality of life.
- Concept of Manpower, relationship between population, education, manpower and economic planning.

Reading List -

Chandna RC - A Geography of Population concepts, determinants and Patterns.  
Cox, Peter R - Demography  
MISRA, JP - जनसंख्या



PAPER **1-**

Micro Economic Analysis 2

AO80801T

**Unit 1:** Behavioural and managerial theories of the firm. Cyert and March, Williamson's managerial discretion model, Growth maximisation of Morris, Baumol's sales maximisation model, Limit price theory – Bains

**Unit 2:** The Theory of Games, Prisoners' Dilemma, and oligopoly theory. The Nash equilibrium, Mixed strategy, strategic moves, Limitations, and Importance of game theory.

**Unit 3:** Welfare Economics – Pigouvian Welfare economics, Pareto optimum – Value judgment, social welfare function compensation principle, inability to obtain optimum welfare, Market failure, Decreasing costs, uncertainty, and non-existent and incomplete markets.

**Unit 4:** General Equilibrium – problems of Existence and uniqueness of general equilibrium. The Walrasian general equilibrium model, 2x2x2x Graphical general equilibrium model.

### Readings List –

Advanced Economic Theory - H.L. Ahuja

Micro Economic Theory – C.B. Ferguson

Modern Micro Economics – Koutsoylannis



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**PAPER 2 - (Macro Economic Analysis -II)**

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**Unit-1: Theory of Inflation**

Classical, Keynesian and monetarist approaches to inflation, Phillips curve analysis; Short run and Long run Phillips Curve, Samuelson & Solow - The Natural Rate of Unemployment Hypothesis; Tobin's modified Phillips curve, Policies to control inflation, Stagflation.

**Unit-2: Theory of Trade Cycles**

Theories of Schumpeter, Kaldor, Samuelson & Hicks, Goodwin's model, Rational Expectation Equilibrium Models, Real vs Nominal Rigidities, Real Non-Walrasian Theories, The Efficiency Wage Model, Control of business cycles.

**Unit-3: Open Economy Macro-Economics**

Foreign trade multiplier, Mundell-Fleming Model-Asset Markets, expectations and exchange rates, Monetary approach to balance of payments

**Unit-4: Macro Economic Policy Issues**

Objectives, Targets & Indicators of Macroeconomic Policies, Gradualism vs Shock Therapy, Rules vs Discretion, Dynamic Inconsistency Problem, Inflation targeting, Barro-Ricardo and Blinder-Solow Hypothesis

**Basic Reading List**

- Ackley, G. (1978), Macroeconomics: Theory and Policy, Macmillan, New York.
- Branson W.A. (1989), Macroeconomic Theory and Policy, (3rd Edition) Harper and Row, New York.
- Shapiro E. (1996), Macroeconomic Analysis, Galgotia Publications, New Delhi
- Dornbush R., Fischer S. and Startz R. (1997) Macroeconomics, McGraw Hill, New York

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# Semester 2

PAPER

3. A-Agriculture Economics

Page 7

A080803T

**Unit 1:** Nature and Scope of agricultural economics – Traditional agriculture and its modernization, Role of agriculture in economic development, Interdependence between agriculture and industry, Agricultural development, Poverty and environment.

**Unit 2:** Agricultural production use and efficiency, Production function analysis in agriculture, Size of farm and laws of returns, Traditional agriculture, Technical Change, Labour absorption in agriculture.

**Unit 3:** Land distribution – Structure and trends Land values and rent, Land reform measures and performance, Problems of marginal and small farmers, Impact of MNREGA on supply of Labour and their wages.

**Unit 4:** Agricultural Growth in India – Recent trends, Interregional variations in growth and productivity, Cropping pattern shifts, Supply of input Pricing of inputs, and role of subsidies. Sustainable agriculture Indigenous practices, Biotechnological practices, and organic farming

**Readings List :-**

**The Economic Structure and Backward Agriculture – Bhaduri, A**

**Indian Economy – Datt and Sundaram**



# Semester 2

PAPER 3. B.Elementary Statistics

Page 8

A080804T

**Unit 1:** Statistics – Meaning and Importance. Statistical Process – Investigations Collection of Data, Classification, and Tabulation. Graphic Representation of data – Line Graph, Bar diagram, Pictogram, Circular diagram, Histogram, Frequency, Polygon.

**Unit 2:** Measures of Central Tendency – Mean, Median, Mode, Harmonic Mean, Geometric Mean, Relative Merits of different measures of Central Tendency. Measures of Dispersion – Quartiles, Standard Deviation, Mean deviation, Coefficient of Variation, Lorenz Curve.

**Unit 3:** Measures of skewness. Correlation – Karl Pearson's Coefficient of Correlation, Rank Correlation, Simple Linear Regression.

**Unit 4:** Index Numbers - Preparation of Simple and weighted Index Numbers, Conversion base, Fishers Index Numbers. Indian Statistics – Central statistical Organisation, National Simple Survey Organisation, Population – Statistics.

**Readings List :-**

Statistics – D.N Elhance

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**Unit-1: Basic Concepts of Research**

Meaning, Objectives, Types, Approaches and Significance of Research, Criteria of Good Research, Selection and Defining a Research Problem, Scientific Research Methods

**Unit-2: Research Design & Research Hypothesis**

Meaning and Types of Research Design, Important concepts; Dependent & Independent Variables, Extraneous Variables, Meaning of Hypothesis, Experimental & Non-Experimental Hypothesis-Testing Research, Experimental and Control Groups.

**Unit-3: Design of Sample Survey & Methods of Data Collection**

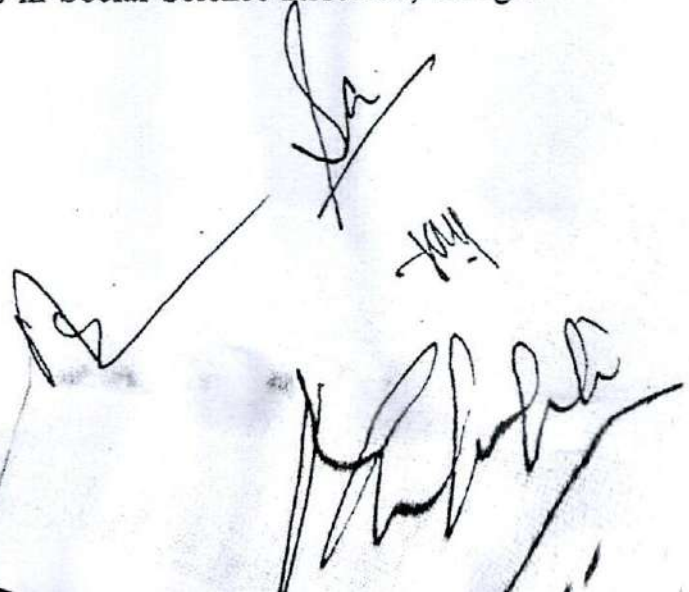
Meaning and Types of Sample Design, Sample Survey vs Census Survey, Sampling & Non-Sampling Errors, Quantitative & Qualitative Data, Guidelines for constructing Questionnaire/Schedule, Selection of Appropriate Method of Data Collection, Case Study Method

**Unit-4: Descriptive Statistics**

Measures of Central Tendency, Association of Attributes, Correlation & Regression Analysis, Testing of Hypothesis; Null Hypothesis & Alternative Hypothesis, Type I & Type II Errors, Level of Significance, Two Tailed & One Tailed Tests, Chi-Square Test, Analysis of Variance; ANOVA Technique.

**Basic Reading List**

- Ackoff, Russell L.(1961) The Design of Social Research, University of Chicago Press.
- Kothari C.R.& Garg G.(2014) Research Methodology, Methods and Techniques, New Age International Publishers.
- Denscombe M.(2003) The Good Research Guide, Open University Press
- Allen, T. Harrell(1978) New Methods in Social Science Research, Praeger Publishers, New York.



# Semester - 2

Paper 4 B

Indian Public Finance

Page 10

A080806T

## Unit - I

Evolution of the Federal Finance in India, Financial relations between central and state governments,

Indian Finance Commission - Introduction, 13<sup>th</sup> Finance commission 14<sup>th</sup> Finance Commission and 15<sup>th</sup> Finance Commission - recommendations

## Unit - II

Public Expenditure In India - Introduction, Items of Expenditure of Central Government, Items of Expenditure of State Governments, Recent trends in Public expenditure of India

## Unit - III

Sources of Revenue of Central Government, GST

Sources of Revenue of State Governments

Salient features of the Indian tax system, VAT, VDIS.

## Unit - IV

The Budget Policy of India

Deficit financing in India

Public Debt in India

### Reading List:-

Datt & Sundram - India Economy (Annual)

Agrawal, AN - India Economy (Annual)

Pant J.C - Public Economics

Gurtoo, DN - Public Finance

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# 2nd Year

## Semester 3

Page 11

### PAPER 1 International Economics

A 080901T

**Unit 1:** Theories of International Trade – Comparative theory David Ricardo, Heckscher -Ohlin Theorem, Equalization Theorem, Stolper – Samuelson Theorem Linder's Theory of Volume of Trade.

**Unit 2:** Free Trade and Protection Trade – Tariff and Non Tariff Barriers. Effective Rate of Protection. Trade taxes and welfare, Effects of Tariff and Non-Tariff Barriers, Dumping, Subsidies, International Cartels, Technical Barriers.

**Unit 3:** Overview of the Balance of Payments Monetary Approach to Balance of Payments, Adjustment and Equilibrium in Balance of Payments, The Elasticity Approach, the Absorption Approach, International Capital Movements, Short term Flows, Private Capital Flows, Direct and Portfolio Investments.

**Unit 4:** Regional Blocks – the emergence of trading blocks at the global level, Static and Dynamic Effects of the customs union and free trade areas, Rationale and economic progress of SAARC and ASEAN regions, Regionalism (EU, NAFTA) Multilateral issues, and WTO.

#### Readings List:-

International Trade – J Bhagwati

International Economics – G. C Singhal

International Economics - Barla and Agrawal

INTERNATIONAL ECONOMICS – MIL JHINGAN

INTERNATIONAL ECONOMICS – RANA & VERMA

# Semester - 3

## Paper 2

### Economics of Growth

Page 12

A080902T

#### Unit - I

Economic Growth: Concept and Growth, Problem and General Solution, Growth Equilibrium: Existence, Uniqueness, and stability. Approaches to Growth: Classical and Neo-Classical Approaches, structural and Institutional Approaches, Marxist Approaches.

#### Unit - II

Neo Keynesian Models of Growth: n. Kaldor, Mrs. Joan Robinson and L. Pasinetti; Concept of Golden Age and Golden rule of Accumulation, Model of Solow, Meade. Big Push Theory Balanced and Unbalanced Growth, Harrod-Domar Models, Endogenous growth Models: AK Model, Lucas Model of Human Capital, Romer Model of Endogenous Innovation

#### Unit - III

Introduction of infinite Horizon Model, Basics of Overlapping-Generation (Diamond) Model, Input-Output Analysis.

#### Unit - IV

Choice of Techniques and Appropriate Technology, Investment Criteria, Project Evaluation, Shadow Prices, Techniques of Planning - Planning in a Market-Oriented Economy, Role of Education Research and Knowledge.

#### Reading List:-

A.P Thirlwall, Growth and Development, ELBS

A K Sen: Growth Economics, Penguin Books

P Kindleberger, Economic Development, Mc Graw Hill, New York

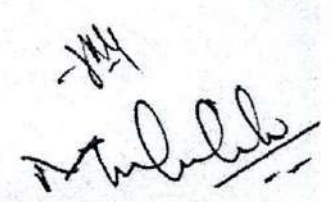
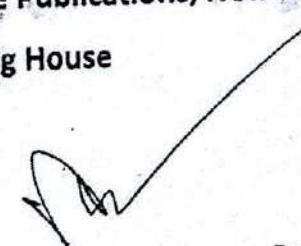
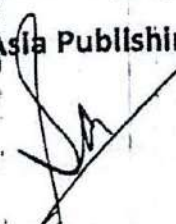
P. Dasgupta, An Inquiry into Well Being and Destitution, Oxford University Press.

Adelman I., Theories of Economic Growth and Development, Stanford University Press

H.G. Jones, An Introduction to Modern Theories of Economic Growth

K. N. Kabra, Development Planning in India, Sage Publications, New Delhi

J.K. Mehta, Economics of Growth, Asia Publishing House





# Semester - 3

Paper 3A

## Indian Economic Policy

Page 13

### Unit - I

A080903T

The economic Policy of India in the perspective are Development and Welfare

Monetary Policy – Role and Objectives In Developing Countries, Instruments of Monetary Policy.

Monetary Policy of India post-1991 to till date

Inflation and Monetary Policy of India.

Execution of Monetary Policy in recent years.

### Unit - II

Fiscal Policy – Role and Objectives in Developing Countries, Instruments of Fiscal Policy.

Fiscal Policy of India post-1991 till date

Inflation and Fiscal Policy of India.

Execution of Fiscal Policy in recent years.

### Unit - III

Commercial Policy – Objectives of Commercial Policy

India's Foreign Trade Policy

India's Balance of payment during Plans including recent trends

Foreign Capital in India

Foreign Policy of India – FERA, FEMA

### Unit - IV

Population, Poverty, and Employment – Census in India – Main features of the 2011 Census

Poverty alleviation programmes, Social welfare Programmes to eradicate Economic inequality, and schemes to generate employment

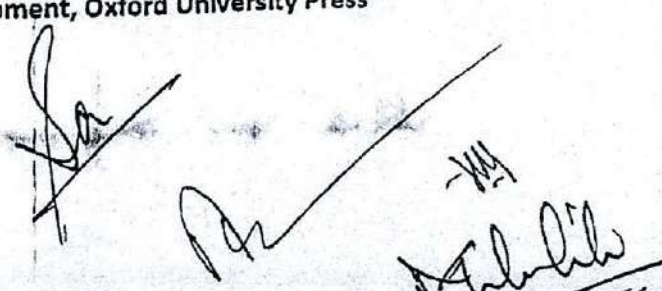
### Reading List:-

A K Sen, Growth Economics, Penguin Books

Amartya Sen, Employment, Technology and Development, Oxford University Press

Datt and Sundaram, Indian Economy (Annual)

A N Aggrawal, Indian Economy (Annual)



## Semester III

PAPER 3-B

Page 14

## ENVIRONMENTAL ECONOMICS

A080904T

### Unit - 1: -

#### Introduction:-

- Environmental Economics: Meaning, Nature Scope and subject matter of environmental economics.
- Ecology and environmental Interaction.
- Economic Development and Environment.
- Bio-diversity crisis and its Conservation.
- Natural Resources and Environmental Problems.
- Natural Resources Policy.

### Unit - 2: -

#### Environment and Sustainable Economy:

- Population growth and environmental linkages.
- Value based Environmental education and public awareness.
- Environmental ethics.
- Environmental damages and its Valuation.
- Environmental property rights
- Environmental Quality and Economic Development: Kuznet's Hypothesis.

### Unit - 3: -

#### Environmental Pollution:

- Environmental Pollution: Water, Air, Noise, Soil, thermal, Marine.
- Policy instruments for Environmental protection.
- Climate change and Global Warming.
- Environment and Human Health.
- Environmental Hazard and Disaster Management.

### Unit - 4: -

#### Environmental Protection:

- Green Marketing: Sustainable industrialization, Clean Technology.
- Sustainable Tourism (Eco-Tourism) Development.
- Economics of Recycling and Waste Management.
- Social-cost Benefit Analysis.
- National Protection Acts.

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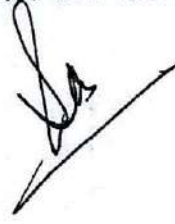



- National Environmental Policy.
- Liability law, Pollution Tax, Pollution Subsidy.

PAGE 15

**Reading list:**

- Harry G. Johnson, Man and His Environment (1973).
- Eugene, T., Environmental economics, Vrinda Publishers, New Delhi.
- Kolstad Charles, D., Environmental Economics, Oxford University Press, New Delhi.
- Jhingan, M.L. & Sharma, e.k., Environmental Economics – Theory, Management & Policy, Vrinda Publishers, New Delhi.
- Rangrajan, Mahesh, Environmental Issues in India, Pearson Longman, New Delhi.
- महेश्वरी, पी०डी०, पर्यावरणीय अर्थशास्त्र, कैलाश पुस्तक सदन, भोपाल।
- अवस्थी, एन०एम०, पर्यावरणीय अध्ययन, लक्ष्मीनारायण अग्रवाल, आगरा।
- मिश्रा, डी०डी०, पर्यावरण अध्ययन, वृंदा पब्लिकेशन्स प्रा०कि०, मयूर विहार, दिल्ली।





# Semester - 3

## Paper 4A

### Quantitative Analysis

Page 16

A080905T

#### Unit - I

Concept of function and Types of function: Limit, Continuity, and Derivative; Rule of differentiation, Interpretation of revenue, Cost, Demand, Supply function; Elasticities and their types. Problems of maxima and minima in single and multivariable function; Application to consumer's surplus and producer's surplus. Application in trade Cycle Models, Growth Models

#### Unit - II

Linear programming - Basic Concept, Formulation of a Linear programming problem, Its structure and variables. Nature of feasible, Basic and Optimal solution, Solution of Linear programming through Graphical and Simplex method, Statement of a Basic theorem of Linear Programming. Formation of the dual of a programme and its interpretation, Concept of Duality and statement of duality theorems, Concept of a Game, Strategies - Simple and Mixed, Value of a Game, Saddle point solution, Simple applications.

#### Unit - III

Meaning Assumptions and Limitations of Simple Correlation and Regression Analysis, Pearson's product-moment and Spearman's rank correlation coefficient and their properties, Concept of the Least-Squares and the Lines of regression, Standard error of estimate, Determination and Non Deterministic experiments, Various types of Events classical and Empirical definition of probability, Laws of Addition and Multiplication, Conditional probability and Concept of Interdependence, Elementary concept and Random Variable, Probability, Mass and Density functions.

#### Unit - IV

Basic concept of sampling - Random and Non-Random sampling, Simple Random, Stratified random and P.P.A sampling, Concept of an estimator and its sampling distribution, Desirable properties of an estimation, Formulation of statistical Hypotheses - Null and alternative, Hypothesis testing based on,  $t$ ,  $\chi^2$  Chi-square and F tests, Type 1 and Type 2 errors)

#### Reading List:-

Allen R.G.D (1974), *Mathematical Analysis for Economics*, Macmillan Press and ELBS, London.

Gupta, S.C. (1993), *Fundamentals of Applied Statistics*, S. Chand & Sons, New Delhi.

Handry, A.T. (1999) *Operations Research*, Prentice Hall of India, New Delhi.



PAPER 4-B INDUSTRIAL ECONOMICS

A080906T

Unit - 1: -

Development of industry and Problems of Selected Industries:-

- Theoretical Perspectives of Role of Industry in Economic Development, Evolution of Industrialization, Current Problems of Iron, Steel, Coal, Cement and engineering goods industries.

Unit - 2: -

Indian Industrial Growth and Pattern:

- Classification of industries; industrial policy in India – Role of public and private sectors; Recent trends in Indian industrial growth; MNCs and Transfer of technology; Liberalization and privatization; Issues in environmental preservation; Pollution control policies.

Unit - 3: -

Market Structure and Industrial Finance:

- Market structure and profitability; Market structure and innovation; Theories of industrial location – Weber and Sargent Florence; Owned, external and other components of funds; Role, nature, volume and types of institutional finance – IDBI, IFCI, SFCs, SIDCO, commercial banks, etc.

Unit - 4: -


Industrial Relations, Industrial Disputes and Labour Problems:

- Industrial Disputes, Reasons and Remedies, Labour Unions and Labour related issues for Indian industries; Social security measures for industrial labour, industrial sickness.

Reading List:-

Barthwal, R.R, Industrial Economics

Singh, A. and A.N Sadhu, Industrial Economics



# Semester 4

Page 18

## PAPER 1. Monetary Economics

A081001T

**Unit 1:** Money Supply – Money supply: Concept and Monetary Aggregates Theory of Money Supply, High Powered Money and Money Multiplier, Budget Deficits and Money Supply Determinants of Supply of Money.

**Unit 2:** Post – Keynesian Demand for Money- Demand for Money, Overview of Keynes's Liquidity Preference Approach Concept of Neutrality of Money and Money Illusion.

Patinkin's Real Balance Effect, Crisis In Keynesian Economics and the Revival of Monetarism – Theory of Demand – M. Friedman

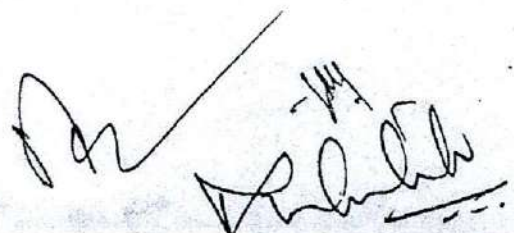
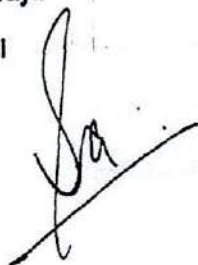
**Unit 3:** Development in the Theory of Demand for Money, Approaches of Baumol and Tobin, Turvey approach, Liquidity approach – Reddiff Committee Report and Gurley – Shaw Thesis.

**Unit 4:** Theory of Inflation and Monetary Policy, Philips Curve and its Modifications, Samuelson and Solow. The Natural Rate of Unemployment and Stagflation, Adaptive Expectation Augmented Approach, Friedman – Phelps.

### ReadingsList :-

Macroeconomics :H. L. Ahuja

Monetary Economics: T.T Sethi





## Semester - 4

Paper 2

Page 19

### Economics of Development A081002T

#### Unit - I

Concept of Development – Traditional Views to the New Economic Views of Development, Underdevelopment as Coordination Failure ( O-Ring Theory ), Measuring Economic Development Measures of Development Including HDI and Sen's Capabilities.

#### Unit - II

Resources and Development: Population, Education, Health, Gender, Poverty, Inequality, Unemployment.

#### Unit - III

Role of Internal Finance in Development: Domestic Financial Resources for Development, Microfinance – Issues, Fiscal Policy, and Economic Development.

#### Unit - IV

Role of External Finance in Development: External Aid, FDI and MNCs Activity.  
Institutions and Economic Development: Social Network as an Institution, Elementary Idea of Political Economy of Development.

#### Reading List:-

A.P Thirlwall, Growth and Development, ELBS

A K Sen: Growth Economics, Penguin Books

P Kindleberger, Economic Development, Mc Graw Hill, New York

P. Dasgupta, An Inquiry into Well Being and Destitution, Oxford University Press.



# Semester - 4

Paper 3 A

## Rural Economics

-Page 20

A081003T

### Unit - I

Rural Economics:- Meaning and Importance, Rural development and its role in Economics development, A brief history of Rural development post-independence. Views of Mahatma Gandhi and Pt. Deendayal Upadhyaya on Rural development, Constance of Rural developments, Identification of the problems of Rural development.

### Unit - II

Nature and Structure of Rural Population, Occupational distribution of Rural population in India, Rural Development and Poverty Alleviation Programmes.

Mahatma Gandhi Rural Employment Guarantee Act-MNREGA, Pradhan Mantri Gram Sadak Yojna (PMGSY), Pradhan Mantri Awas Yojna, Saubhagya Yojna (Vidhuth Yojna) Ujjwala Yojna, Food security schemes, Kissan Samman Nidhi Yojna.

### Unit - III

Panchayati Raj System - Importance of Gram Panchayat in Public welfare, Merits and Demerits of Panchayati Raj System, Suggestions to Improve Panchayati Raj System, Community Development Programme - Objectives and its scope. Policy and strategy of Rural development: Rural Sanitation and Health - Swachh Bharat Mission, Har Ghar Nai Yojna. System of Administration and Monitoring of Rural Development Programmes, National Rural Health Mission.

### Unit - IV

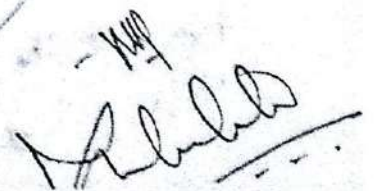
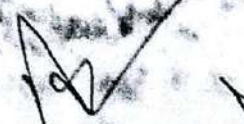

Role of Co-Operatives in Rural Development - Cooperative Credit societies and non Credit Societies - Their role in Rural development. Rural and Cottage industry in India - Growth, Scope and Possibilities in Employment generation, Problems of small Industries, Resources of Finance, Government Aids to support and strengthen Rural and Cottage Industries

### Reading List:-

Datt and Sundaram - Indian Economy (भारतीय अर्थव्यवस्था)

Pant D C - Rural Development in India (भारत में ग्रामीण विकास)

Aggrawal A N - Indian Economy





# Semester - 4

Paper 3 B

Page 21

## Social Sector and Development Issues

A081004T

### Unit - I

Social sector and Social Infrastructure in India - Concept, and Significance. Overall Educational Health Status of India's Population. Development of Education and Health Sector in India - Strengthening of Social Infrastructure. Public-Private Partnership. Gender Equality and Socio-economic development in India - Major Challenges.

### Unit - II

Human Resource - Economic Development Linkage, Indicators of Human Resource Development, Role of Human Resource Development in the Growth Process. Human Resource Development & Rural Growth Process - Awareness Campaigns and Extension programs, Ensuring Public Participation.

### Unit - III

Scope of Education - Elementary, Higher, vocational, Technical Education - An Evaluative study, Benefits, and opportunities. Government efforts Cum - schemes for Promoting Holistic education - RTE ( Right of Children to free and Compulsory Education) Act, Sarva Shiksha Abhiyan, National Programme of Mid-day Meals. Role of Science and Technology in educational attainment.

### Unit - IV

Policy programs cum schemes towards improving the status of Social sector Development in India - Relevance and critical appraisal. Human development and Demographic standards - Approach to Education and Economic Development, Health and Economic Development, Nutrition-based Awareness, National Education Policy, National Health Policy, National Environment Policy. Rural Health care services - ASHA ( Accredited Social Health Activists), ICDs ( Integrated Child Development Services )- Tracking malnutrition problems and measures to overcome them. Policy planning and implementation measures are undertaken by the contributory role of voluntary Organisations, NGOs, and SHGs in the Social Sector development domain.

#### Reading List:-

Datt&Sundram - India Economy (Annual)

Agrawal, AN - India Economy (Annual)

*[Handwritten signatures and marks]*



# Semester 4

## PAPER 4. A-Economic Thought

Page 22

A081005T

**Unit 1:** Classical Economists- Adam Smith - Naturalism and optimism of Adam Smith, Public Finance, International Trade, Division of labor, T R Malthus - Theory of overproduction, Population Theory, Population checks, David Ricardo - Doctrine of Rent, Foreign Trade theory.

**Unit 2:** Neo-Classical Economists - Alfred Marshall - Distribution of national income, Elasticity of demand, Representative firm, Quasi Rent, J. S Mill - Theory of individual competition, Productive and Unproductive labour, Socialist Concept.

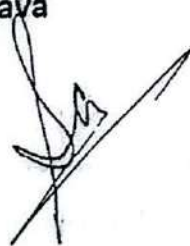
**Unit 3:** New Economists - J.M. Keynes- Effective Demand, Consumption Function, Trade Cycle Theory, Milton Friedman - Permanent income hypothesis, Fiscalism Vs Monetarism, A Schumpeter - Ideas on economic development, Trade Cycle, and Capitalism destruction.

**Unit 4:** Indian Economic Thought - Economic Ideas of Gandhi, J K Mehta, D. R Gadgil, Bishwasharaya, Pt. Deendayal Upadhyay

**Readings List :-**

History of Economic Thought - S.K. Srivastava

आर्थिक विचारों का इतिहास - J. C. Pant





# Semester 4

PAPER 4.B

Labour Economics

Page 23

A081006T

**Unit 1:** Nature and characteristics of the labour market in India, Demand for labour in relation to size and pattern of investment supply of labour in relation to the growth of labour force, Mobility of labour methods of recruitment and placement. Employment services organization in India.

**Unit 2:** Poverty and Unemployment in India, Unemployment- Concept types and measurement in India, Impact of rationalization, Technological change and modernization unemployment in organized private industry, Public sector and employment in Agriculture sector.

**Unit 3:** Theories of Wage Determination, Concept of minimum wage, Living wage and fair wage in theory and practice, Wage determination in various sectors - Rural, Urban, Organised, Unorganised and formal Sectors, Productivity and wage relationship analysis of rigidity in Labour market.

**Unit 4:** Social Security of Agricultural Labour - Concept of Social security and evaluation, Social Assistance and social insurance State Policies with respect to social security special problems of Labour Child labour, Female Labour, Discrimination in treatment of labour, Globalisation and Labour markets

## Readings List:-

Indian Economy - Datt and Sundaram

Indian Economy - A N Agrawal

Labour Economics - RKMukharjee

