

**National Education Policy 2020 Inserted PG Programme  
on the basis of “Choice Based Credit System-C. B. C. S.”**

***M. A. in ECONOMICS***

**(Session 2022-23 onwards)**



**Approved by:**

*Board of Studies- Economics*

**Maharaja Suhel Dev State University,  
Azamgarh-276 128, Uttar Pradesh (INDIA)**



# Maharaja Suhel Dev State University

## Azamgarh UP

### Syllabus of M.A. Economics

(National Education Policy-2022)

(New Education Policy)

Paper Title	Theory Project	Credit	Max Mark	Max. Lecture hours
<b>M.A. 1 Year, Semester-I</b>				
<b>Compulsory Paper-</b>				
1. Advance Micro Economics Part-I	Theory	5	100	75
2. Advance Macro Economics Part-I	Theory	5	100	75
3. Monetary Economics	Theory	5	100	75
4. Research Methodology and Essential Statistics	Theory	5	100	75
5. Research Project.	Project	4	100	-
<b>One Minor Subject for Student of other Faculty</b>	Theory	4	100	60
		<b>28</b>	<b>600</b>	<b>360</b>
<b>M.A. 1 Year, Semester-II</b>				
<b>Compulsory Paper</b>				
1. Advance Micro Economics part-II	Theory	5	100	75
2. Advance Macro Economics part-II	Theory	5	100	75
<b>Optional Paper (Any Two)</b>				
International Economics-A	Theory	5	100	75
Demography-B	Theory	5	100	75
Industrial Economics-C	Theory	5	100	75
Agricultural Economics-D	Theory	5	100	75
5. Research Project.	Project	4	100	-
		<b>24</b>	<b>500</b>	<b>300</b>
<b>M.A. 2 Year, Semester-III</b>				
<b>Compulsory Paper</b>				
1. Development Economics	Theory	5	100	75
2. Public Finance	Theory	5	100	75
<b>Optional Paper (Any Two)</b>				
Environmental Economics-A	Theory	5	100	75
Quantitative Methods-B	Theory	5	100	75
Labour Economics-C	Theory	5	100	75
Economics of Co-Operation-D	Theory	5	100	75
5. Research Project.	Project	4	100	-
		<b>24</b>	<b>500</b>	<b>300</b>
<b>M.A. 2 Year, Semester-IV</b>				
<b>A Optional Paper (Any Four)</b>				
1. History of Economic Thought.	Theory	5	100	75
2. Financial Institutions & Markets.	Theory	5	100	75
3. Economics of Human Resource Development.	Theory	5	100	75
4. Economics of Marketing.	Theory	5	100	75
5. Economics of Transport.	Theory	5	100	75
6. Econometrics.	Theory	5	100	75
7. Population Studies & Economics Development.	Theory	5	100	75
<b>B- Compulsory Paper</b>				
1. Research Project.	Project	4	100	-
		<b>24</b>	<b>500</b>	<b>300</b>

*Anil Kumar*  
Dean, Faculty of Arts

*Anil Kumar*

*Anil Kumar*  
20.5.2022

Subject Convener  
Dr. Anil Kumar Srivastava  
Associate Professor  
Deptt. of Economics  
D.A.V. P.G. College, Azamgarh (U.P.)



**M.A. 1<sup>st</sup> Year, Semester I**  
**Economics**  
**Advance Micro Economics Part-I**

**Compulsory Paper**

**Credit-05**  
**Marks-100**

**Unit-I**

Theory of Consumer Behaviour: Consumer's Behaviour : Cardinal and Ordinal Utility Approach (Marshall and Hicks) – Critical Analysis, Consumer's Surplus-Marshall and Hicks, Application of Indifference Curve, Revealed Preference Theory, Recent Development's in Demand theory, Elasticity of Demand.

**Unit-II**

Theory of Production : Laws of Variable Proportions, Importance, Isoproduct curve-Properties, producer equilibrium, Ridge Lines, Law of Variable Proportions, Returns to Scale, Production Function-CD, CES, Concept of Cost-Short-Run, Long-Run Analysis.

**Unit-III**

Price and Output Determination Concept of revenue, Equilibrium of the firm and industry under Perfect Competition, Price and Output determination under Monopolistic Competition, Monopoly, Oligopoly, Duopoly, Managerial Theory of firm-Marris Williamson.

**Unit-IV**

Distribution : Marginal Productivity Theory of Distribution : Clark's Version, Marshall-Hicks Version, Adding-up Problem-Euler Theorem, Product Exhaustion Problem: Wicksell, Walras, Samuelson.

**Selected Readings :**

- \* Ahuja, H.L. : Advanced Economic Theory, 21<sup>st</sup> Edition, 2017.
- \* Dominick, Salvatore, Principles of Microeconomics, Fifth Edition, OUP.
- \* Estrin Saul, Laidler David, David E.W. Laidler, Michael Dietrich, Microeconomics.
- \* Henderson, James M. \* Quandt, Richard E : Microeconomic Theory.

*Answer*



**M.A. 1<sup>st</sup> Year, Semester I**  
**Economics**  
**Advance Macro Economics Part-I**

**Compulsory Paper**

**Credit-05**  
**Marks-100**

**Unit-I**

The value of economic activity : Gross Domestic Product, gross national product, net domestic product, nominal and real domestic product, consumer price indexes and GDP deflator, concept of disposable income. Methods of measuring national income: value added method, income method, and expenditure method. Measurement of sustainable development: green net national income and genuine savings. Measurement of joblessness: the unemployment rate, unemployment, GDP, and Okum's law, potential GDP and the GDP gap, GVA.

**Unit-II**

Classical Theory – The economy in the long run : determinants of the total production of goods and services : factor production, production function, supply of goods and services. Distribution of national income to the factors of production: factor prices, decision facing the competitive firm, firm's demand for factors, division of national income.

**Unit-III**

Business cycle theory : Introduction to economic fluctuations, causes of economic fluctuations, aggregate demand I: the goods market and the IS curve, the money market and the LM curve, aggregate demand II: explaining short run economic fluctuations with the IS-LM model, IS-LM as a theory of aggregate demand, the great depression: the spending hypothesis: the shocks to the IS curve, the money hypothesis: a shocks to the LM curve, monetary and fiscal policy and the business cycle: macroeconomic cycles and aggregate shocks. Aggregate supply: wages, price, and unemployment: the aggregate supply curve and the price adjustment mechanism, inflation and unemployment, stagflation, expected inflation, the Phillips curve: origins of the Phillips curve, aggregate demand, aggregate supply, and the Phillips curve, shifts in the Phillips curve: the role of expectations, the role of supply shocks, the cost of reducing inflation.

**Unit-IV**

The World Economy : Exchange rate and the macroeconomy, macroeconomic effects of exchange rates; fiscal and monetary policies in an open economy, exchange rates, and aggregate demand; international aspects of deficit reduction.

**Selected Readings:**

- \* Branson : Macroeconomics Analysis
- \* G. Ackley : Macroeconomics Theory and policy (latest edition)
- \* N. Gregory Mankiw : Macroeconomics, worth publishers.
- \* Rudiger Dornbush and Stanley Fisher, Richard startz : Macroeconomics, Tata McGraw-Hill, Publusing company Ltd, New Delhi.
- \* Willium J Baumol, Alan S. Blinder, Macroeconomics: Theory and Applications, Cenage Learning.

*A. K. S.*



**M.A. 1<sup>st</sup> Year, Semester I**  
**Monetary Economics**

**Compulsory Paper**

**Credit-05**  
**Marks-100**

**Unit-I**

**Money Supply**

Money Supply: Concepts and Monetary Aggregates Theory of Money Supply, High Powered Money and Money Multiplier; Budget Deficits and Money Supply Determinants of Supply of Money.

**Unit-II**

**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-III**

**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-IV**

**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.

**Reading List :-**

- \* Ahuja, H.L. Macroeconomics (New)
- \* Chakravarty, S.C. (1985), Report of the Committee to Review the working of the monetary System, Reserve Bank of India, Bombay.
- \* D'souza Errol, Macroeconomics : Person Publication, New Delhi.
- \* Friedman, M. (1957), The Theory of Consumption Function, Princeton University Press, Princeton.

*Akshay*



**M.A. 1<sup>st</sup> Year, Semester I**  
**Research Methodology and Essential Statistics**

**Compulsory Paper**

**Credit-05**  
**Marks-100**

**Unit-I**

Introduction to Research : Meaning, Objective, Steps in Research and Importance in Social Science, Qualities of a Good Researcher.

Research Design: Concept, Need for Research Design, Features of a Good Research Design, Various Research Designs-Quantitative Research Designs, Qualitative Research Designs, Mixed Research Designs and Analytical Research Designs.

Hypothesis: Concept, Nature, Function, Importance, Forms, and Source, Qualities of a Good Hypothesis, Types of Hypothesis.

**Units-II**

Sampling Design: Concepts of Sampling, Merits and Demerits of Sampling, Sample Size, Characteristics of a good sample, Methods of Sampling-Probability Sampling.

Methods of Data Collection: Types of Data, Collections of Primary Data-Schedules, Questionnaire, Observation, Interview, Collection of Secondary Data; Reliability and Validity of Research Tools.

**Unit-III**

Analyzing and Displaying Data: Classification and Tabulation of Data, Diagrammatic Representation, Analysis of Data, Generalization of Data.

Writing Research Report : Objectives and Importance, Characteristics of a Good Report, Content of Report, Problems of Preparing Report, Bibliography, and Summary.

**Unit-IV**

Essential Statistics : Measures of central tendency (Mean, Median and Mode) Dispersion-Mean Deviation and Standard Deviation, Correlation, Regression, Lorenz Curve, Skewness, Moments and Kurtosis, Interpolation and Extrapolation.

**Selected Readings:**

- \* Garg, B.L., Karadia, R., Agarwal, F. and Agarwal, U.K. (2002): An introduction to Research Methodology, RBSA Publishers.
- \* Goode, W. J. and Hatt, P.K. (1982): Methods in Social Research, McGraw-Hill, New York.
- \* Kothari, C.R. (2006) : Research Methodology: Methods & Techniques, New Age International Publishers, New Delhi.
- \* Kumar, Ranjit (2011) : Research Methodology : A step-by-step Guide for Beginners (3<sup>rd</sup> edition), Sage Publication Ltd., London.

**M.A. 1<sup>st</sup> Year, Semester I**  
**(Compulsory/Project)**

Research Project on the Contemporary Economic Issues.  
Project Report will be prepared using Research Techniques.

*Answer*



**M.A. 1<sup>st</sup> Year, Semester II**  
**Advance Micro Economics part-II**

**Compulsory Paper**

**Credit-05**  
**Marks-100**

**Unit-I**

Theory of Games, Input Output Analysis, Linear Programming-graphical and simplex method.

**Unit-II**

General Equilibrium Analysis : General Equilibrium of Exchange and Consumption, Transformation Curve, and Production: General Equilibrium and Initial Endowment.

Welfare Economics: An Introduction, the Concept of Social Welfare, Role of Value Judgements in Welfare Economics.

**Unit-III**

Conditions of Pareto Optimality: the Concept of Economic Efficiency, Pareto Criteion of Social Welfare, Marginal Conditions of Pareto Optimum, Perfect Competition and Pareto Optimality, Fundamental Theorem of Welfare Economics, New Walfare Economics: Compensation Principle.

**Unit-IV**

Grand Utility Possibility Frontier and Welfare Maximisation, Market Failure: Externalities and Public Goods, Theory of Second Best, Social Welfare Function and Theory of Social Choice.

**Selected Readings:**

- \* Ahuja, H.L.: Advanced Economic Theory, 21<sup>st</sup> Edition, 2017.
- \* Dominick, Salvatore, Principles of Microeconomics, Fifth Edition, OUP.
- \* Estrin Saul, Laidler, David, David E.W. Laidler, Michael Dietrich Microeconomics.
- \* Henderson, James M. & Oaundt, Richard E. : Microeconomic Theory.

*Akshay*



**M.A. 1<sup>st</sup> Year, Semester II**  
**Advance Macro Economics part-II**

**Compulsory Paper**

**Credit-05**  
**Marks-100**

**Unit-I**

Theories of Money and Prices: Measurement of the value of money; index numbers: types, construction of index numbers; the quantity theory theory of money, income theory of money, liquidity theory of money, real balance effect; inflation: types of inflation, social cost of inflation, Phillips curve: origins of the Phillips curve, The trade-off between inflation and unemployment: demand side inflation versus supply side inflation, supply side inflation and the collapse of the Phillips curve, Inflationary expectations and the Phillips curve.

**Unit-II**

The Demand for Money: the classical, Keynes, and modern view on the demand for money, the neo-classical theory, post-Keynesian approach, Friedman's approach, Baumol's Inventory theoretic approach, Tobin's portfolio selection model, Gurley and Shaw approach, empirical evidences.

The Supply of Money: The origins of the money supply, composition of money supply: RBI measures of money supply: money stock measures, sources of money stock ( $M_3$ ), monetary aggregates: components and sources; liquidity aggregates, reserve money, components and sources; different approaches regarding measures of money supply, high powered money, money multiplier process, determinants of money multiplier; credit creation by commercial banks, cryptocurrency basics.

**Unit-III**

Monetary Policy: The Reserve Bank of India: function, objectives, instruments of credit control; objectives of monetary policy, credit and monetary policy in India, banking and finance sector reforms in India.

**Unit-IV**

Theories of Interest: early views, pre-classical views, classical theory of interest, newo-classical theory of interest, Keynes, liquidity preference theory of interest, indeterminate theory of interest, Neo-Keynesian or modern theory of interest; IS-LM model: the goods market and the IS curve, the money market and the LM curve.

**Selected Readings:**

- \* Branson : Macroeconomics Analysis
- \* Economic Survey 2018-19, Government of India, OUP.
- \* G. Ackley: Macroeconomics Theory and policy (latest edition)
- \* Gupta, Suraj B. Monetary Economics: Institutions, Theory and Policy, S. Chand Publishing, New Delhi.

*Akshay*



**M.A. 1<sup>st</sup> Year, Semester II**  
**International Economics**

**Optional Paper-A**

**Credit-5**  
**Marks-100**

**Unit-I**

Income Distribution: Absolute and comparative cost theory, refinements of comparative cost theory, Haberler's opportunity cost theory, Heckscher-Ohlin theorem and its extensions, empirical testing of comparative costs and the Heckscher-Ohlin theorem, Leontief, paradox, Metzler paradox, Mill's theory of reciprocal demand,

**Unit-II**

New Theories of International Trade: Intra industry trade, Neo-Heckscher-Ohlin model, Krugman Model of Intra-industry trade, Neo-Hotelling model, Linder's Theory of Volume of Trade and Demand Pattern, Technological Gap and Product cycle models, transportation costs and international trade, Kravis availability and non-availability theory, Kene's theory of human capital, Emmanuel's theory of unequal exchange.

**Unit-III**

International Trade Policy : meaning and classification of tariffs, effects of tariff, effective rate of protection, optimum tariff: meaning, measurement.

Non-Tariff Trade Barriers: Meaning, classification, effects of import quotas, political economy of protectionism.

Exchange control : meaning, methods, advantages and disadvantage.

Economic Integration: Meaning, type, merits and demerits, Customs Union Theory-Partial and General Equilibrium.

**Units-IV**

Balance of Payments: Meaning, National income accounting and the balance of payments, adjustment mechanisms in the balance of payments: Automatic adjustment mechanisms and policy adjustment mechanisms, direct controls, the cost of adjustments.

Foreign Exchange Market and Exchange Rate: Meaning, transactions in the exchange market, foreign exchange swap and currency swap, equilibrium in the foreign exchange market.

**Selected Readings:**

- \* Bo Sodersten, Geoffrey Reed, International Economics, Publisher: Palgrave Macmillan, 1999.
- \* Dennis Appleyard, Alfred F. Jr. International Economics: Trade Theory and Policy, McGraw Hill UK
- \* Jhingan, M.L.: International Economics, Vrinda Publication, Delhi.
- \* Jitendralal Borkakoti, International Trade: Causes and Consequences, Palgrave Macmillan, 1998.
- \* Salvatore, Dominick, International Economics, John Wiley.

*Answer*



**M.A. 1<sup>st</sup> Year, Semester II**  
**Demography**

**Optional Paper-B**

**Credit-5**  
**Marks-100**

**Unit-I**

Introduction of Demography: Demography: Meaning, Definition, Scope, Subject-Matter and Importance; Basis Concepts and tools of Demographic Analysis, Sources of Demographic Data.

Population Theories : Pre-Malthusian Theories of Population, The Malthusian Theory of Population and Neo-Malthusianism, Theory of Optimum Population, The Malthusian Theory of Theories of Population (Michael Thomas Sadler, Thomas Doubleday).

**Unit-II**

Measurement : Population Projections-Meaning, Types, Methods, Importance, Accuracy and Limitations; Life-Table-Meaning, Types, Construction of Life-Table, Uses and Importance, Stationary and Stable Population.

**Unit-III**

Population Growth and economic Development : Relationship between Population Growth and Economic Development; Migration-Meaning, Type, Factors Affecting Migration, Hurdles in Migration, Effects of Migration,

**Unit-IV**

Census in India: Gensus-Meaning, Characteristics, Methods and Importance.

Characteristics of Indian Population: Trends of India's Population Growth, Density of Population, Rural-Urban Population, Sex Ratio, Literacy Ratio, Life Expectance, Age-Structure, Birth and Death, Occupational Distribution of Population.

**Selected Readings:**

- \* Braclay, Goerge W. : Technique of Population Analysis, John Wiley and Sons Inc. New York, 1958.
- \* Donald J.Bogue : Principles of Demography, John Wiley and Sons Inc., New York, 1969.
- \* Hauser, Philip M. and Dunkan, Otis Dudley (Ed).: The Study of Population : An Inventory and Appraisal, University of Chicago Press, Chicago, 1959.
- \* I.I.P.S.: National Family Health Survey, Mumbai.
- \* Johannes Overbeek (Ed). The Evolution of Population Theory, Greenwood Press, London, 1977.
- \* Malthus, T.R.: An Essay on the Principle of Population, J. Johnson in St Paul's Church-Yard, London, 1798.
- \* R.K. Mukherjee.: The Political Economy of Population, Longmans, Green & Co. Ltd. Bombay, 1942.
- \* Sen, R.P. : Demographic Changes and Levels of Living, Daya Publishing House, Delhi, 1989.
- \* वी. कुमार : जनांकिकी, एस0बी0पी0डी0, पब्लिशिंग हाउस, आगरा।
- \* भारत की जनगणना : विभिन्न वर्ष

*Answer*



**M.A. 1<sup>st</sup> Year, Semester II**  
**Industrial Economics**

**Optional Paper-C**

**Credit-5**  
**Marks-100**

**Unit-I**

Industrial Efficiency: Concept of plant, firm, optimum firm, industry, economies of scale. Concepts and measurement of industrial efficiency and profitability, determinants of economic efficiency, measurement of the efficiency levels, some efficiency conditions in the theory of production, efficiency and decision making process.

**Unit-II**

The Organizational Form and Alternative Motives of the Firm: Types of organization form: characteristics, limitations choice of the organizational form, business motives.

The Analysis of Financial Ratios and Relationship : Classification and description of the ratios: structural ratios, profitability ratios, liquidity ratios, activity ratios, limitations of ratio analysis, inter-relatedness of financial ratios, the break-even analysis, the application of break-even analysis in financial management.

**Unit-III**

International Dimensions of Industrial Economics: Bases of international trade, firms, market, and international trade; protection and Domestic market power, multinational enterprises, dumping, imperfect competition and international trade: trade based on product differentiation, intra-industry trade, measuring of intra-industry trade, costs of transportation and non-traded commodities, costs of transportation and the location of industry, environmental standards, industry location, and international trade.

**Unit-IV**

Diversification, Merger and Acquisition: Meaning, motives for diversification, vertical integration and merger, measurement approaches.

Investment Decisions: The nature and types of investment decisions, preparation of time profile of a project, methods of project evaluation, risk and uncertainties in project appraisal, replacement decision, inventory investment, market investment.

Pricing Decisions: Theoretical pricing model, pricing in practice, transfer pricing, pricing in public enterprises, empirical evidence on pricing.

**Selected Readings:**

- \* Barthwal, R.R., Industrial Economics: An Introductory Textbook. New Age International (P) Limited, Publishers, New Delhi.
- \* Cherunilam, F. Industrial Economics: Indian Perspective. Himalaya Publishing House, Mumbai.
- \* Desai, B. Industrial Economy in India. Himalaya Publishing House, Mumbai.
- \* Divine, P.J.: R.M. Jones. An Introduction to Industrial Economics. George Allen and Unwin Ltd. London.

*Answer*



**M.A. 1<sup>st</sup> Year, Semester II**  
**Agricultural Economics**

**Optional Paper-B**

**Credit-5**  
**Marks-100**

**Unit-I**

Agriculture Economics: Definition and scope, Agriculture and Industrial Economics Differences and inter-relation. Agriculture and Economics Development.

Theories of Agriculture Development: Law of Variable Proportions, Cobweb theory, Lewis' Theory of Unlimited Supplies of Labour, Schultz Theory of Transformation of traditional Agriculture.

**Unit-II**

Agriculture price in India: Agriculture price policy, New Agriculture policy, Minimum Support Price (MSP), Sources of Agriculture finance, Regional Rural Banks and National Bank for Agriculture and Rural development (NABARD).

**Unit-III**

Crops Pattern in India: Factors affecting crops pattern, crops insurance, Kisan Credit card., Agriculture productivity, Instability of Agriculture, Food security, Food processing Industries.

**Unit-IV**

Development of Agriculture Sector: Land Reforms, Organic farming, Agriculture and Environment, Technological change in Agriculture, Agriculture Marketing, Co-operative Marketing. Public Distribution System, Rural Unemployment, Rural poverty Small Scale and cottage Industries in India.

**Selected Readings:**

- \* Bardhan, P.(1984) Land, Labour and Poverty: Essays in Economic Development, OUP.
- \* Bhaduri, A. (1984), The Economic Structure of Backward Agriculture, Macmillan, Delhi.
- \* Bhalla, G.S. (2007) Indian Agriculture since Independence, National Book Trust, India.
- \* Bharadwaj, K. (1974), Production Condition in Indian Agriculture: OUP, Cambridge.
- \* Black, J.D.,(1953) Introduction to Economics for Agriculture, Macmillan.

**M.A. 1<sup>st</sup> Year, Semester II**  
**(Compulsory/Project)**

Research Project on the Contemporary Economic Issues.

Project Report will be prepared using Research Techniques.

*Akshay*



**M.A. 2<sup>nd</sup> Year, Semester III**  
**Development Economics**

**Compulsory Paper**

**Credit-5**  
**Marks-100**

**Unit-I**

Economic Development: Meaning, Objective and Characteristics, Comparative Economic Development, Obstacles and Determinants of Economics Development, Measuring Development, Modern Economic Growth Basic Features.

**Unit-II**

Theories of Development: Classical Theory (Smith, Ricardo, Malthus, Mill) Karl Marx and Development of Capitalistic Economy. Crisis in Capitalism-Schumpeter and Capitalistic Development, Myrdal's Backwash and Spread Effects, Theory of Coordination Failure. Comparative Analysis of Classic Theories of Development: Linear Stage Theory, Structural Change Model, International Dependence Revolutions and market Fundamentalism.

**Unit-III**

Development Discourse: Economic Inequality-Measurement, Inequality in Income and Growth Interconnection, Population Growth and Economic Development Issues, Education and Health in Economic Development, Agricultural Transformation and Rural Development, Urbanisation and Rural-Urban Interaction, Environment and Economic Development Debate, Measurement of Poverty, Amartya Sen's Approach to Poverty, Challenge of Unemployment, Concept of Jobless Growth.

**Unit-IV**

Economic Planning: Role of State in Economic Development, Market and Planning Debate, Economic Planning Types of Planning, Planning in India and its Achievements, Economic reform, Niti Aayog.

**Selected Readings:**

- \* Amartya Sen: Development As Freedom
- \* Amartya Sen: Poverty And Famine, Essay On Entitlement.
- \* Barro, Robert J and Xavier Sala-i-Martin, Economic Growth, The MIT Press Cambridge.
- \* Basu, Kaushik: Analytical Development Economics, The Less Development E Economy Revisited.

*A. K. Sen*



**M.A. 2<sup>nd</sup> Year, Semester III**  
**Public Finance**

**Compulsory Paper**

**Credit-5**  
**Marks-100**

**Unit-I**

Introduction of Public Finance, Role of Government in an Economy, Major Fiscal Functions: Allocation Functions, Distribution Function, Stabilization Functions.  
Concept of Social Good, Public Good and Merit Good, Cost-Benefit Analysis.

**Unit-II**

Theories of Public Expenditure, Wagner's Law of the Increase of State Activities Wiseman Peacock Hypothesis, Pure Theory of Public Expenditure, Effects of Public Expenditure.

**Unit-III**

Sources of Public Revenue, Direct and Indirect Taxes, Progressive and Non-Progressive Taxes, Canons of Taxation, Problem of Justice in Taxation, Ability to Pay Principle, Taxable Capacity, Incidence of Tax, Theories of Tax-Shifting, Effects of Taxation, Double Taxation, Tax Reform (VAT and GST)  
Public Debt-Objectives, Sources, Effects, Methods of Redemption, Management.

**Unit-IV**

Federal Finance System in India: Theories of Federal Finance System, Problem of Financial Imbalances, Problem of Financial Adjustment in India, Finance Commission. Union-State Financial Relations.  
Indian Budget, Zero-Base Budgeting, Gender Budgeting, Different Concepts of Budget Deficits.  
Fiscal Policy and Its Implications, Fiscal Stabilisation.

**Selected Readings:**

- \* Musgrave, Richard, A.)1959) : The Theory of Public Finance, McGraw Hill, New York.
- \* Atkinson, A. and Stiglitz, J. (1980) : Lectures in Public Economics, MCGraw Hill, London.
- \* Browning, Edgar K. and Browning, Jacqueline, M. (2004): Public Finance and the Price System, Pearson Education Pvt. Ltd. Delhi.
- \* Browning, Edgar K. and Browing, Jacqueline, M. (2004): Public Finance and the Price System, Pearson Education Pvt. Ltd. Delhi.

*Answer*



**M.A. 2<sup>nd</sup> Year, Semester III  
(Environmental Economics)**

**Optional Paper-A**

**Credit-5  
Marks-100**

**Unit-I**

Introduction

Environmental Economics-Concept and Dimensions.

Links Between Natural Environment and Human Economy

Neo-Classical Perspective : Circular Flow Model

Ecological Perspective : Material Balance Model

**Unit-II**

Fundamental of Environmental Resources and Environmental Problems.

The Economic Process and the Assimilative Capacity of the Natural Environment. The Optimal Level of Pollution. Environmental Damage. Public Goods. Externalities : Types of Externalities, Basics of externality Theory.

**Unit-III**

Solution to Environmental problems.

Command-and-Control Approach: Liability Law, Emission Standard, Property Rights.

Market approach: Pollution Tax, Pollution Subsidy, Deposit/Refund system, Pollution Permit

Trade System. The Economic Approach to Environmental Valuation. Direct and Indirect

Methods.: Hedonic Pricing Approach and Contingent Valuation Approach. Benefit-Cost Analysis.

**Unit-IV**

Environment and Development.

Environment and Development

Environmental Kuznets Curve. Sustainable Development – Conceptual Framework.

**Selected Reading:**

- \* Baumol, W.J. & Wallace, E.O: The Theory of Environmental Policy, Jersey.
- \* Speth, J.G. & Haas, P.H.Global Environment Governance, Pearson Longman New Delhi.
- \* Thomas & Callan, Environmental Economics, Thomson Soub Western. New Delhi.
- \* Tietenberg, Tom, Environmental and Natural Resource Economics Pearson Education New Delhi.

*Accepted*



**M.A. 2<sup>nd</sup> Year, Semester III**  
**Quantitative Methods**

**Optional Paper-B**

**Credit-5**  
**Marks-100**

**Unit-I**

Hypothesis Testing: Association of Attributes, Chi-Square Test, t-test, z-test, f-test, ANOVA:

**Unit-II**

Mathematics for Economics : Sets, Function and continuity, sequence, series, Permutation and Combination, Differential Calculus and its Applications; Linear Algebra-Determinants and Matrices, Cramer's Rule, Cub-Web Model, Probability, Simultaneous Equation Models-recursive and non-recursive.

**Unit-III**

Differential Equations: Partial Differentiation, First order differential equations complementary function and particular integral.

**Unit-IV**

Differential Equations in Economics: Solow's growth model, Dynamics of Market price, Introduction to Second order differential equation, convergence of equilibrium, Intergration, Integration by parts.

**Selected Readings:**

- \* Alpha C. Chiang (1984): Fundamental Methods of Mathematical Economics. (New Delhi: McGraw Hill, International Book Company)
- \* Edward T. Dowling (1980): Introduction to Mathematical Economics. (New Delhi: McGraw Hill, publishing Company Ltd.)
- \* RGD Allen (1986): Mathematical Analysis for Economists (New Delhi: Macmillan India Ltd.)
- \* J.M. Handerson & R.E. Quandt (1980): Micro Economic Theory: A Mathematical Approach. (New Delhi: McGraw-Hill Book Company).

*Alexander*



**M.A. 2<sup>nd</sup> Year, Semester III**  
**Labour Economics**

**Optional Paper-~~C~~**

**Credit-5**  
**Marks-100**

**Unit-I**

Theoretical Issues in Labour Economics: Labour supply, Measuring the labour force, workers preference, Time and budget constraint, Hours of work decision; labour demand production function, Employment decision in the short run and long run, Long run demand for labour.

**Unit-II**

Wages and Alternative Pay Schemes: Wages-Perfect Competition-Homogenous workers and jobs, wage differential-Heterogeneous Workers and jobs, The Hedonic Wage Function Alternative pay schemes and labour efficiency, fringe Benefits-Theory of optimal fringe benefits, Efficiency wage payments, deferred payments schemes.

**Unit-III**

Labour Market Discrimination: Labour market discrimination-Race and gender in the labour market, The Crowding Model, Employment and Employee discrimination, measuring discrimination.

Industrial Relations: Industrial Disputes, Prevention and Settlement of Industrial Disputes, Trade union-Economic impact, wage advantage, Efficiency and Productivity of Unionism, Collective bargaining-Economic sanction of collective bargaining, bargaining power in collective bargains, counteracting pressure-Employer's resistance, Potential impact on union.

**Unit-IV**

Indian and International Perspective: Labour welfare in India, social security in India. Manpower planning, skill development, Education, Training and Development of Manpower. Problem of Unemployment and Exit Policy, National Wage Policy, Second National Labour Commission, International Labour Organization.

**Selected Reading:**

- \* Burton, F.J, L.K. Benham, W.W. Vaughn III and R.J. Hanagan (Eds) (1971): Reading in labour market analysis, Holt. Rinehart and Winston, Inc, USA.
- \* Butler A.D.(1972): Labour Economics and institution, American Publishing Company, ND.
- \* George, J.B. (1996): Labour Economics, McMraw Hill, NY.
- \* Gupta, P.K. Labour Economics, Vrinda Publication(Hindi)

*Akshay*



**M.A. 2<sup>nd</sup> Year, Semester III**  
**Economics of Co-Operation**

**Optional Paper-B**

**Credit-5**  
**Marks-100**

**Unit-I**

Cooperatives: Meaning, Definition, and Principles, History of Cooperative Ideology, Development of Cooperatives in Britain, Germany, Denmark, Russia, China, Japan and Israel.

**Unit-II**

Importance of Cooperative in economic life, Cooperation and other forms of enterprises, National Policy and Cooperation, Study of Cooperative movement in India and its various forms.

**Unit-III**

Cooperative credit, Cooperative agriculture, Cooperative house construction societies, industrial Cooperative societies, Cooperative labor societies.

**Unit-IV**

Evaluation of the progress of Cooperative in five year plans, state and Cooperatives. Village donation, community development, Comparative Study of Co-operatives.

**Selected Reading:**

- \* बी०सी० माथुर – भारत में सहकारिता।
- \* एस०सी० सक्सेना—भारत एवं विदेश में सहकारिता।
- \* नन्द लाल भटनागर—सहकारिता के सिद्धान्त।
- \* भारत सरकार— सहकारी समाज।

**M.A. 2<sup>nd</sup> Year, Semester III**  
**(Compulsory/Project)**

Project on the Contemporary Economic Issues.

Project Report will be prepared using Research Techniques.

*Akshay*



**M.A. 2<sup>nd</sup> Year, Semester IV**  
**History of Economic Thought**

**Credit-5**  
**Marks-100**

**Unit-I**

Early Economic Thought: Significance of the history of Economic Thought, Mercantilism factor shaping mercantilism, main ideas of Mercantilism, Neo-Mercantilism, Physiocrats, Natural order, Net product and the circulation of money, value, interest, taxation, trade and functions of state.

**Unit-II**

Smith's Economic Thought : Philosophy, Naturalism, Optimism, value and distribution, Laissez Faire or Economic Liberty.

Pessimistic Theory : Thomas Robert Malthus and Ricardo, theory of comparative cost and theory of Rent. Economic ideas of Jean-Baptiste Say, Restatement of Classical ideas-John Stuart Mill.

**Unit-III**

The Marginal Revolution : Mathematical School, Economic ideas of Harman Henrikh Gossen and William Stanley Jevons, Walras General Equilibrium Analysis.

Austrian School : Karl Menger, Theory of goods, value money, exchange, capital and Imputation.

Neo Classical Economic Theory : Marshall, Pigou Keynes and Post Keynesian Theory.

**Unit-IV**

Indian Economic Thinkers : Economic ideas of Shukra, Bhishma and Kautilya, Mahatma Gandhi, Jawahar Lal Nehru, B.R. Ambedkar, Radha Kamal Kukherjee, J.K. Mehta and Amartya Sen.

**Selected Readings:**

- \* Agnar Sandmo, Economics Evolving: A History of Economic Thought, Princeton Univ. Press, 2011.
- \* Barber, William J. (1967), A History of Economic Thought, Penguin Books.
- \* Blackhouse, R. (1985), A History of Modern Economic Analysis Basil Blackwell, Oxford.
- \* Dasgupta, A.K. (1985), Epochs of Economics Theory, Oxford University Press, New Delhi.

*A. K. Sen*



**M.A. 2<sup>nd</sup> Year, Semester IV**  
**Financial Institutions & Markets**

**Credit-5**  
**Marks-100**

**Unit-I**

Financial Intermediation and Financial Intermediaries  
The Structure and Functions of the Financial System  
Trend in Saving and Investment in India-Role of Financial Intermediaries.  
Financial System and Economic Development.

**Unit-II**

Banking in India  
Growth and Structure of Commercial Bank in India, Critical Evaluation of Performance, Reforms and Challenges. Credit Creation and its Control. RBI-Objectives, Functions and Monetary Policy. Recent Monetary Policy and Prospects for Investment in India.  
Banking Development and Current Technological Innovations.

**Unit-III**

Financial Markets and Non-Banking Institutions  
Role and Structure of Money Market Call Money. Market. Treasury Bill Market, Commercial Bill Market, Government Securities Market.  
Capital Market, Primary and Secondary Market in India (Introduction of its Structure and Functions)  
Market for Derivatives: Futures and Options, and Other Derivatives: Types, Uses and Pricing of Derivatives, Concept of Hedgers, Speculators, Arbitrageurs.

**Unit-IV**

Market Regulation  
SEBI : Functions, Roles (its Impact on the Working of Capital Market in India) and Challenges  
Financial Instruments : Concepts and Development. Securities (Bond, Debenture, Equities) and Share Price Indices.

**Selected Reading :**

- \* Bhole, L.M. (1999). Financial Institutions and markets, Tata McGraw Hill Company Ltd. New Delhi.
- \* Bharati Pathak (2009), The Indian Financial System: Pearson Education Publication New Delhi.
- \* Bhole, L.M. (2000), Indian Financial System, Chugh Publications, Allahabad.

*Accepted*



**M.A. 2<sup>nd</sup> Year, Semester IV**  
**Economics of Human Resource Development**

**Credit-5**  
**Marks-100**

**Unit-I**

Human Resource Development: Concept, Origin and Need of Human Resource Development, Sources of Human Resource Development, Factors affecting Human Resource, Problems of Human Resource Development, Approaches to Human Resource Development.

**Unit-II**

Quantitative Aspects of Human Resource Development: Size of Population, Birth Rate, Death Rate, Occupational Distribution of Population, Age Structure, Working Population, Rural Urban Population, Employment Level.

Qualitative Aspects of Human Resource Development: Expectancy of Life, Productivity and Efficiency, Education and Training, Nutrition, Health and Sanitation; Housing.

**Unit-III**

Theories of Population: Malthusian Theory, Optimum Theory and Demographic Transition Theory.

Development Theories (in reference to Human Resource Development): Karl Marx, Ragner Nurkse's Theory of Vicious Circle, Schumpeter and Rostow Theory of Development, Lewis Theory of Unlimited Supply of Labour, Lebinstein Theory, Balanced Growth Theory.

**Unit-IV**

Human Resource and Economic Development : Relationship between Human Resource and Economic Development, Investment in Human Resource-Education and Health, Brain-Drain in India-Cause and Remedies, Human Resource Planning in India. Human Development Index (H.D.I.)

**Selected Readings:**

- \* Donald J. Bogue : Principles of Demography, John Wiley and Sons Inc., New York, 1969
- \* Hauser, Philip M. and Dunkan, Otis Dudley (Ed.): The Study of Population: An Inventory and Appraisal, Univeristy of Chicago Press, Chicago, 1959.
- \* I.I.P.S.: National Family Health Survey, Mumbai.
- \* Jaya Gopaki R.: Human Resource Development-Conceptual Analysis and Strategies, Sterling Publishing, New Delhi.

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**M.A. 2<sup>nd</sup> Year, Semester IV**  
**Economics of Marketing**

**Credit-5**  
**Marks-100**

**Unit-I**

Marketing-An Introduction, Concept, Scope and Importance; Market-Meaning and Classification, Function of Marketing-from the viewpoint of organization and commodity.

**Unit-II**

Marketing Proses: Producer to ultimate consumer-Assembling, Pooling, collection, Processing, Distribution; Secondary functions-Buying, Selling, Storage, Transportation, Standardization and Grading, Packaging, Financing, Risk bearing, Market information.

**Unit-III**

Marketing Research, Improvement of Marketing Functions, Distribution Channel Planning, Problem of Marketing Cost, Avenues of Marketing.

**Unit-IV**

Agricultural Marketing-Problems, Domestic and Economic Development, Accumulation, Cooperative marketing, state trade, Mobilization of Marketable surplus, Difference between marketing process of industrial goods and agricultural goods.

**Selected Readings:**

- \* Gupta, P.K.-Agricultural Economics, Vrinda Publications, Delhi.
- \* Kotlar, Philip-Marketing Management, Prentice Hall, New Delhi.
- \* Kotler, Armstrong, Agnihotri and Haque (2010)-Principles of Marketing-A South Asian Perspective, 13<sup>th</sup> edition, Pearson Education.
- \* Saxena, Rajan-Marketing Management, Tata-McGraw Hill, New Delhi.

*Akshar*



**M.A. 2<sup>nd</sup> Year, Semester IV**  
**Economics of Transport**

**Credit-5**  
**Marks-100**

**Unit-I**

Introduction: Definition, Significance and Development of Transport, Different means of transport and the principles of social expense, competition between different means of transport and the principle of equilibrium principles of determination of fare in different means of transport.

**Unit-II**

Shipping Transport: Introduction of shipping and its importance, Development of Indian shipping after independence, fare in shipping and problem in its fare determination, Introduction of internal waterways, importance and development in five year plans.

**Unit-III**

Rail Transport: A Brief History of Development of Rail Transport before Independence and Broad Trends after Independence, Initiation of Railways in Indian and old and new guarantee custom, classification of Rail administration and financial system, development of rails in five year plans.

**Unit-IV**

Road Transport: History, Administration, features and importance, development in five year plans, financial management and fare of road transport-Principles of fare determination, classification and administration of roads, accidents in road transportation and the principles of social expense.

**Selected Readings:**

- \* Planning Commission: The Report on the Transport Planning
- \* Hunter: Transport Engineering
- \* Chauhan, S.H.: Modern transport.

*Akshwar*



**M.A. 2<sup>nd</sup> Year, Semester IV**  
**Econometrics**

**Credit-5**  
**Marks-100**

**Unit-I**

Multiple Regression Analysis: The Problem of Estimation, Problem of Inference; Relaxing Assumptions of Classical Model: Multicollinearity, Heteroscedasticity, Autocorrelation: Model Specification and Diagnostic Testing: Consequences, Measurement, Nested Vrs. Non-Nested Models, Model Selection Criteria.

**Unit-II**

Two Variable Regression Model: Nature, Meaning, Problem of Estimations, Classical Normal Linear Regression Model (CNLRM), Interval Estimation and Hypothesis Testing, Extensions of Two Variables Model.

**Unit-III**

Simultaneous Equation Models: Introduction and Examples, Simultaneous Equation Bias and Inconsistency of OLS Estimators: The Identification Problem, Rules of Identification Order and Rank Conditions; Methods of Estimating Simultaneous Equation System, Macro Economics Model.

**Unit-IV**

Econometrics Modeling: Model Specification and Diagnostic Testing, Panel Data Regression Models, Dynamic Econometric Model: Autoregressive and Distributed Lag Models. Stationary, Unit Roots, Co-Integration, Approaches to Economic Forecasting, AR, MA, ARIMA, Box-Jenkins Methodology: Problems with VAR Modelling.

**Selected Readings:**

- \* Chatfield, C. & A.J. Collings (1980): Introduction to Multivariate Analysis, Chapman & Hall, London.
- \* Chaw, G.C. (1983), Econometrics, McGraw Hill, New York.
- \* Dougherty, Christopher (2007), Introduction to Econometrics, Oxford University Press, New Delhi.
- \* Greene, William H. (2003): Econometric Analysis, Pearson Education, Inc., New Jersey.

*Answer*



**M.A. 2<sup>nd</sup> Year, Semester IV**  
**Population Studies & Economics Development**

**Credit-5**  
**Marks-100**

**Unit-I Theories of Populations-I**

An Overview of Pre-Malthusian and Malthusian Theory of Population:  
Theory of Optimum Population  
Biological Theories of Population : Thomas Doubleday's Diet Theory,  
Pearl and Reed's Logistic Curve Theory.

**Unit-II**

**Theories of Population-II**

Social and Economic Theories of Population: Dumont's Theory of Social Capillarity, Leibenstein's Motivational Theory of Population Growth. Demographic Transition Theory: Notestein, Blacker, Karl Sax, Landry, Cowgill, Coale and Hoover. Population and Economic Development: Enke's View Meadows View, Population and Environment

**Unit-III : Indian Population Analysis**

Indian Population: Composition, Structure, Pattern etc.  
Determinants and Pattern of Fertility in India.  
Determinants of Pattern of Fertility in India.  
Determinants of Pattern of Mortality and Morbidity in India.  
Age at Marriage in India.  
Population Policy in India with a Comparative Analysis of Some Development Countries.

**Unit-IV : Migration and Urbanization**

Migration: Concepts, Measurement and Selectivity.  
Theories of Migration : Everett Lee's Theory of Migration.  
Models of Migration: Lewis Model of Rural-Urban Migration, The Fei-Renis Model of Rural-Urban Migration, Harris-Todaro Model.  
Urbanization and Civic Amenities.

**M.A. 2<sup>nd</sup> Year, Semester IV**  
**(Compulsory/Project)**

Project on the Contemporary Economic Issues.

Project Report will be prepared using Research Techniques.

*Accepted*

*Dean, Faculty of Arts*



# Maharaja Suhel Dev State University

## Azamgarh UP

### **Syllabus of B.A. Economics** **(National Education Policy-2022)** **(New Education Policy)**

### **Semester-wise Titles of the Papers in BA-Economics**

<b>Paper Title</b>	<b>Theory/Practical</b>	<b>Credit</b>
<b>B.A. 1 Year, Semester-I</b>		
Principle of Micro Economics	Theory	6
<b>B.A. 1 Year, Semester-II</b>		
Principle of Macro Economics	Theory	6
<b>B.A. 2 Year, Semester-III</b>		
History of Economics Thought	Theory	6
<b>B.A. 2 Year, Semester-IV</b>		
Money, Banking and Public Finance	Theory	6
<b>B.A. 3 Year, Semester-V</b>		
Economic Growth and Development	Theory	5
<b>Optional Paper (Any one)</b>		
Environmental Economics	Theory	5
or		
International Economics	Theory	
Elementary Statistics based Project	Practical	3
<b>B.A. 3 Year, Semester-VI</b>		
Indian Economy & Economy of Uttar Pradesh	Theory	5
<b>Optional Paper (Any one)</b>		
Agricultural Economics	Theory	5
or		
Elementary Mathematics	Theory	5
<b>Dissertation Project</b>		
On the Local Issues with Economic Focus plus Presentation on PPT of the Dissertation	Project	3

*Ankush*  
*Dean, Faculty of Arts*

*Akshay*  
*20.5.2022*  
Subject Convener  
Dr. Anil Kumar Srivastava  
Associate Professor *Head*  
Deptt. of Economics  
D.A.V. P.G. College, Azamgarh (U.P.)



**List of all Papers in all Six semesters.**

**Semester-wise Titles of the Papers in BA(Economics)**

Year	Sem.	Course Code	Paper Title	Theory/Practical	Credits
1	I	A080101T	Principle of Micro Economics	Theory	6
1	II	A080201T	Principles of Macro Economics	Theory	6
2	III	A080301T	History of Economic Thought	Theory	6
2	IV	A080401T	Money, Banking and Public Finance	Theory	6
3	V	A080501T	Economic Growth and Development	Theory	5
3	V	A080502T/ A080503T	Optional Paper(Any 1) Environmental Economics Or International Economics	Theory	5
3	V	A080504R	Elementary Statistics based Project	Practical	3
3	VI	A080601T	Indian Economy & Economy of Uttar Pradesh	Theory	5
3	VI	A080602T/ A080603T	Optional Paper(Any 1) Agriculture Economics Or Elementary Mathematics	Theory	5
3	VI	A080604R	Dissertation/Project On the Local Issues with Economic Focus plus Presentation on 1/pt of the Dissertation	Project	3

**BA 1<sup>st</sup> Year, Sem. I,  
Course I  
(Theory)**

Programme/Class: Degree/ BA	Year: First	Semester: First
Subject: Economics		
Course Code: A080101T	Course Title: Principle of Micro Economics	
<p>Course Outcome:</p> <ul style="list-style-type: none"><li>• The students are familiarized with basic concepts of microeconomics such as laws of demand and supply and elasticity etc so that he/she can comprehend them &amp; familiarize with day today happenings.</li><li>• The students learn and understand the concepts of consumer behaviour like cardinal utility and ordinal utility analysis.</li><li>• The students learn and understand application of Indifference curve analysis in deriving demand curves, price effect, income effect and substitution effect.</li><li>• The students learn and understand the Theory of production- iso-quants, laws of returns to scale, law of variable proportion.</li><li>• The students learn, understand and compare between the Traditional and modern theory of cost.</li><li>• Demonstrate an understanding, usage and application of basic economic principles.</li><li>• Describe and apply the methods for analyzing consumer behavior through demand and supply, elasticity and marginal utility.</li><li>• To analyze the behavioral patterns of different economic agents regarding profit, price, cost etc.</li><li>• The decision-making process in different market situations such as perfect competition, monopolistic competition, monopoly and oligopoly markets.</li><li>• To deal with the advance theoretical issues and their practical applications of distribution theories.</li><li>• General equilibrium, economic efficiency and market failure.</li></ul>		

*A. K. Sharma*



Credits: 6		Core Compulsory
Max. Marks: 25+75		Min. Passing Marks: 40
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
<b>Part I</b>		
I	Introduction: Problem of scarcity and choice: scarcity, choice and opportunity cost; production possibility frontier; economic systems. Demand and supply: law of demand, determinants of demand, shifts of demand versus movements along a demand curve, market demand, law of supply, determinants of supply, shifts of supply versus movements along a supply curve, market supply, market equilibrium. Applications of demand and supply: price rationing, price floors, consumer surplus, producer surplus. Elasticity: price elasticity of demand, calculating elasticity, determinants of price elasticity, other elasticities.	12
II	Consumer Theory: Budget constraint, concept of utility, diminishing marginal utility, Diamond-water paradox, income and substitution effects; consumer choice: indifference curves, derivation of demand curve from indifference curve and budget constraint. Theory of Revealed Preference	12
III	Production and Costs: a. Production: behaviour of profit maximizing firms, production process, production functions, law of variable proportions, choice of technology, isoquant and isocost lines, cost minimizing equilibrium condition. b. Costs: costs in the short run, costs in the long run, revenue and profit maximizations, minimizing losses, short run industry supply curve, economies and diseconomies of scale, long run adjustments.	11
IV	Market Structures a. Perfect Competition: a. Assumptions: theory of a firm under perfect competition, demand and revenue; equilibrium of the firm in the short run and long run; long run industry supply curve: increasing, decreasing and constant cost industries. Welfare: allocative efficiency under perfect competition. b. Imperfect Competition Monopolistic competition: Assumptions, SR& LR price and output determinations under monopolistic competition, economic efficiency and resource allocation; oligopoly: assumptions, oligopoly models, game theory, contestable markets, role of government.	11
<b>Part II</b>		
V	Theory of a Monopoly Firm Concept of imperfect competition; short run and long run price and output decisions of a monopoly firm; concept of a supply curve under monopoly; comparison of perfect competition and monopoly, social cost of monopoly, price discrimination; remedies for monopoly: Antitrust laws, natural monopoly.	11
VI	Consumer and Producer Theory a. Consumer and Producer Theory in Action Externalities, marginal cost pricing, internalising externalities, public goods; imperfect information: adverse selection, moral hazard, social choice, government inefficiency. b. Markets and Market Failure Market adjustment to changes in demand, efficiency of perfect competition; sources of market failure: imperfect markets, public goods, externalities, imperfect information; evaluating the market mechanism.	11
VII	Income Distribution and Factor pricing Input markets: demand for inputs; labour markets, land markets, profit maximisation condition in input markets, input demand curves, distribution of Income.	11

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VIII	Welfare Economics: Concept & Definition of Welfare Economics. Normative & Positive Economics. Concepts of Social Welfare. Role of Value Judgment in Welfare Economics. Individual & Social Welfare. Pareto Optimality, Conditions of Pareto Optimality. New Welfare Economics: Kaldor-Hicks Welfare Criterion. Scitovsky Paradox & Scitovsky's Double Criterion. Grand Unity Possibility Frontier. Social Welfare Function. Theories of Social Choice.	11
Suggested Readings:		
<ol style="list-style-type: none"> <li>1. Ahuja, H.L.(2013) : Advanced Economic Theory, S.Chand &amp; Company. Shastri,Rahul.A (1999) "Microeconomics", Orient Blackswan.</li> <li>2. Ahuja,H.L (2012) :Ucchatar Arthik Siddhanti, S.Chand &amp; Company, New Delhi.</li> <li>3. Dwivedi,D.N (2011) :Microeconomics-Theory &amp; Applications", Pearson.</li> <li>4. Lal, S.N (2013):Arthshastra Ke Siddhanti", Shiva Publishing House, Allahabad. Seth,M.L (2012) : Arthshastra Ke Siddhanti",Laxmi Narayan Publications,Agra</li> <li>5. Lipsey,Richard&amp;Chrystal,Alec (2011) : Economics", Oxford University Press Publications, New Delhi.</li> <li>6. Pindyck,Robert.S., Rubinfeld.Daniel.L., Mehta.Prem.L(2009): Microeconomics", Pearson.</li> <li>7. Salvatore, Dominic(2010) : Principles of Microeconomics", Oxford University Press Publications, New Delhi.</li> <li>8. Samuelson,Paul A&amp; Nordhaus, William D(2010): Economics", Tata McGraw Hill.</li> <li>9. Koutsoyianis, A (2008) (2nded): Modern Microeconomics", Macmillan.</li> <li>9. Stonier, A J&amp; Hague.Douglas.C (2003)(5thed) : A Text Book of Economic Theory", Pearson.</li> </ol>		
Suggested Continuous Evaluation Methods:		
Assignment / Test / Quiz(MCQ) / Seminar/ Presentations/ research orientation of students.		
Suggested equivalent online :		
Swamyam		
Coursera		

**BA 1<sup>st</sup>Year, Sem. II,  
Course I  
(Theory)**

Program/Class: Degree/BA	Year: First	Semester: Second
Subject: Economics		
Course Code: A080201T	Course Title: <u>Macro Economics</u>	
Course Learning Outcomes		
<ul style="list-style-type: none"><li>• Students are able to explain national income, comprehend calculation methods of national income, and concepts related to national income.</li><li>• Students are able to comprehend classical theory of employment and the Keynesian approach.</li><li>• Students are able to comprehend the concept of multiplier and it's working.</li><li>• Students are able to understand the relationship between inflation and employment.</li><li>• Students are able to relate factors determining national income such as consumption, saving and investment.</li><li>• Students are able to analyze different phases of trade cycle, demonstrate various trade cycle theories, understand the impact of cyclical fluctuation on the growth of business, and lay policies to control trade cycle.</li></ul>		
Credits: 6		Core Compulsory
Max. Marks: -25+75		Min. Passing Marks:40
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
I	Introduction: What is macroeconomics? Macroeconomic issues in an economy. Macro vs. Micro Economics, Limitations of Macroeconomics; Introduction to National Income. Concepts of GDP,	12

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II	National Income Accounting: Concepts of GDP GNP, NDP and NNP at market price and factor cost; Personal Income and Disposable Personal Income. Measurement of National Income- Income, expenditure, product or Value added Methods and related aggregates; nominal and real income; limitations of the GDP concept.	12
III	Circular Flow of Income and expenditure in two, three, and four-sector economy. National Income and Economic Welfare; Green Accounting.	11
IV	Classical Theory of Employment. Say's Law of Markets. Keynes' Objection to the Classical Theory; Aggregate Demand and Aggregate Supply Functions; The Principle of Effective Demand; Consumption Function - Average and Marginal Propensity to Consume; Factors influencing Consumption Spending	11
Part II		
V	The Investment Multiplier and its Effectiveness in LDCs; Theory of Investment - Autonomous and Induced Investment; Marginal Efficiency of Capital; Savings and Investment - Ex Post and Ex Ante, Equality and Equilibrium. Principle of Accelerator.	11
VI	Rate of Interest: Classical, Neo-Classical and Keynesian Theories of Interest. Indeterminateness in Liquidity Preference Theory	11
VII	IS-LM Analysis: Derivations of the IS and LM functions; IS-LM and aggregate demand; shifts in the AD curve.	11
VIII	Inflation and Unemployment Concept of inflation; determinants of inflation; relationship between inflation and unemployment: Phillips Curve in short run and long run.	11
Suggested Readings:		
<ol style="list-style-type: none"> <li>1. Ackley, G (1976) : Macroeconomics: Theory And Policy, Macmillan, New York.</li> <li>2. Ahuja, H.L (2012) : Macroeconomics: Theory and Policy , S. Chand &amp; Company, New Delhi.</li> <li>3. Ahuja, H.L (2012) : Samasti Arthshastra , S. Chand &amp; Company, New Delhi. Lal, S.N (2012) : Samastibhavi Visleshan , Shiva Publishing House, Allahabad.</li> <li>4. Branson, W.A (1989) : Macroeconomics Theory And Policy, Harper &amp; Row.</li> <li>5. D.L (1969) : Advanced Macroeconomics, McGraw Hill, New York.</li> <li>6. Dornbusch, Rudiger &amp; startz, Richard (2012): Macroeconomics , Tata McGraw Hill Education.</li> <li>7. Dwivedi, D.N (2010) : Macroeconomics: Theory and Policy , Tata McGraw Hill Education.</li> <li>8. Gupta, R.D. &amp; Rana, A.S (2009) : Keynes post-Keynesian Economics , Kalyani Publishers, New Delhi &amp; Ludhiana.</li> <li>9. Hansen, A.H (1953) : A Guide To Keynes, McGraw Hill.</li> <li>10. Jhingan, M.L (2010): Macroeconomics , Vrinda Publications, New Delhi.</li> <li>11. Jhingan, M.L (2012) : Samasti Arthshastra , Vrinda Publications, New Delhi.</li> <li>12. Shapiro, Edward (2005): Macroeconomic Analysis, Galgotia Publications, New Delhi.</li> <li>13. Sikdar, Saumyen (2011) : Principles of Macroeconomics , Oxford University Press, New Delhi.</li> <li>14. Surrey, M.J.C (1976) : Macroeconomic Themes, Oxford University Press. Romer,</li> </ol>		
Suggested Continuous Evaluation Methods:		
Assignment / Test / Quiz( MCQ) / Seminar/ Presentations/ Research orientation of students.		
Suggested equivalent online :		
Swayam		
Coursera		

*Approved*



# B.A. II, Year, Semester III

## Theory Paper

Programme/Class: Degree/BA		Year: Second	Semester: Third
Subject: Economics			
Course Code: A080301T		Course Title: History of Economic Thought	
<b>Course outcomes:</b>			
<ul style="list-style-type: none"> <li>To learn and discuss, at an advanced undergraduate level, how the economic thought has evolved over time.</li> <li>Introducing students to the critical comparison of the contributions of the main schools of economics.</li> <li>To introduce &amp; highlight before the students about Indian Economic Thinkers and their valuable contribution in the field of Economics.</li> <li>The classical, the marginalize revolution and its application to the theories of general and partial equilibrium, the current macroeconomic debate between the neo-classical and the Keynesian school.</li> </ul>			
Credits: 6		Core Compulsory	
Max. Marks: 25+75		Min. Passing Marks: 40	
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w			
Unit	Topics		No. of Lectures
<b>Part I</b>			
I	Kautilya, Dada Bhai Naoroji, RC Dutt, BR Ambedkar, R M Lohia, Gandhian Economics.		12
II	Pt. DeenDayal Upadhyay, JK Mehta, A K Sen, J. Bhagwati,		12
III	Early Period: Economic thought of Plato and Aristotle - Doctrines of Just Cost and Just price.		11
IV	Mercantilism: Main Characteristics; Thomas Munn - Physiocracy: Natural Order, Primacy of Agriculture, Social Classes, Tableau Economique, Taxation, Turgot - Economic ideas of Petty, Locke and Hume.		11
<b>Part II</b>			
V	Classical Period: Adam Smith - Division of Labour, Theory of Value, Capital Accumulation, Distribution, Views on Trade, David Ricardo, Distribution, Ideas on International Trade; Thomas R. Malthus, Theory of Gluts.		11
VI	German Romantics and Socialists — Sismondi, Karl Marx — Dynamics of Social Change, Labour Theory of Value, Surplus Value, Profit, And Theory of Capitalist Crisis; Economic Ideas of J.B. Say, J.S. Mill.		11
VII	Marshall as a Great Synthesizer: Role of Time in Price Determination, Economic Methods, Ideas on Consumer's Surplus, Elasticity, Representative Firm, Quasi-Rent, Pigou: Welfare Economics; Schumpeter.		11
VIII	Marginalists: The Precursors of Marginalism ,Cournot , Gossen — The Marginalist Revolution: Jevons, Walras and Menger - Bohm-Bawark, Wicksell and Fisher; Economic Ideas of Wicksteed and Weiser.		11
<b>Suggested Readings:</b>			
<ol style="list-style-type: none"> <li>1. Bhatia, H.L : History of Economic Thought , Vikash Publishing House.</li> <li>2. Blackhouse, R (1985) : A History of Modern Economic Analysis, Basil Blackwell, Oxford.</li> <li>3. Ganguli, B.N(1977) : Indian Economic Thought : A 19th Century Perspective, Tata Mcgraw Hill.</li> <li>4. Hajela, T.N (2011) : Aarthik Vicharon Ka Itihas , Ane Books.</li> <li>5. Hajela, T.N (2011) : History Of Economic Thought , Ane Books.</li> <li>6. Hunt, E.K &amp; Lautzenheiser, Mark (2011) : History of Economic Thought: A Critical Perspective , Phi Learning.</li> <li>7. Jhingan, M.L (2008): Aarthik Vicharon Ka Itihas , Vrinda Publications, New Delhi.</li> <li>8. Kautilya (1992), The Arthashastra, Translated And Introduced By L.N.Rangarajan, Penguin Books.</li> <li>9. Loknathan, V (2009) : History of Economic Thought , S.Chand &amp; Company.</li> <li>10. Roll, Eric : History of Economic Thaght, Faber.</li> <li>11. Schumpeter, J.A(1954): History of Economic Analysis, Oxford University Press, New York.</li> </ol>			

*Akshay*



12. Sinha, V.C (2011) : Aarthik Vicharon Ka Itihas , Mayur Pu  
 13. Staley, Charles.E, "A History of Economic Thought: From Aristotle To Arrow", Blackwell Publishing.

Suggested Continuous Evaluation Methods:

Assignment / Test / Quiz( MCQ) / Seminar/ Presentations/ Research orientation of students.

Suggested equivalent online :

Swayam

## BA 2<sup>nd</sup> Year, Sem. IV

### Course I

### (Theory)

Program/Class: Degree /BA	Year: Second	Semester: Fourth
Subject: Economics		
Course Code:A080401T	Course Title: Money, Banking and Public Finance	
Course outcomes:		
<ul style="list-style-type: none"><li>• Understand simple concepts related with monetary economics and banking theory.</li><li>• Correlate and apply to current events &amp; key models and concepts of monetary economics and banking theory.</li><li>• Appreciate the potential importance of monetary phenomenon in the economy.</li><li>• Understand the sources of finance both public and private</li><li>• Demonstrate the role of government to correct market failures and possible advantage of public financing.</li><li>• Understand the possible burden, benefits and distribution of various types of taxes among various classes of people, know the general trend and impact on general welfare and arouse them to suggest good and bad tax system.</li></ul>		
Credits: 6		Core Compulsory
Max. Marks: 25+75		Min. Passing Marks:40
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
Part I		
I	Money and Value of Money: Money - Meaning, Functions and Classification; Gresham's Law; Role of Money in Capitalist, Socialist and Mixed Economies; Monetary Standards -Metallic and Paper Systems of Note Issue. Quantity Theory of Money - Cash Transaction and Cash Balance Approaches; The Keynesian Approach.	12
II	Supply of Money: Definitions—Determinants of Money Supply—High Powered Money and Money Multiplier—Indian Currency system.	12
III	Commercial Banking: Meaning and types; Functions of Commercial Banks; The process of Credit Creation - Purpose and Limitations; Liabilities and Assets of banks; Evolution of Commercial Banking in India after Independence; A Critical Appraisal of the Progress Of Commercial Banking after Nationalization; Recent Reforms in Banking Sector in India.	11
IV	Functions of a Central Bank; Quantitative and Qualitative Methods of Credit Control - Bank Rate Policy, Open Market Operations, Variable Reserve Ratio and Selective Methods; Role and Functions of the Reserve Bank of India; Objectives and Limitations of Monetary Policy with Special Reference to India.	11

*Atul*



Part II		
V	Nature and Scope of Public Finance: Meaning and scope of Public Finance; Distinction between Private and Public Finance; Public Goods Vs. Private Goods; The Principle of Maximum Social Advantage; Market Failure; Role of the Government.	11
VI	Public Expenditure: Meaning, Classification and Principle of Public Expenditure; Canons and Effects of Public Expenditure; Trends in Public Expenditure and Causes of Growth of Public Expenditure in India.	11
VII	Taxation: Sources of Public Revenue; Taxation — Meaning, Canons and Classification of Taxes; Division of Tax Burden — The Benefit and Ability-To-Pay Approaches; Impact and Incidence of Taxes; Taxable Capacity; Effects of Taxation; Characteristics of A Good Tax System.	11
VIII	Fiscal policy: Components, Instruments, Objectives. Role of Fiscal Policy in Developed and Developing Countries, Budget Structure of the Government of India, State Budget- Sources of Revenues and Expenditures. Major Tax Reforms in India. Fiscal Federalism in India: Union-State Fiscal Relations, Federal Fiscal Imbalances and the Role of Finance Commission. Finances of Local Bodies.	11
<b>Suggested Readings:</b> <ul style="list-style-type: none"> <li>❖ Bagchi, Amaresh (2005) : Readings in Public Finance, Oxford University Press.</li> <li>❖ Cullis, John &amp; Jones Philip (2009) : Public Finance and Public Choice, Oxford University Press.</li> <li>❖ Eyler, Robert (2009) : Money and Banking-An International Text ,Routledge.</li> <li>❖ Gupta, Janak Raj (2011): Public Economics in India Theory and Practice, Atlantic.</li> <li>❖ Gupta, S.B (2009) : Monetary Economics-Institutions, Theory &amp; Policy , S.Chand &amp; Company, New Delhi.</li> <li>❖ Head, J.C (1974): Public Goods and Public Welfare, Durham, NC, Duke University Press.</li> <li>❖ Inge Kaul, Pedro Conceicao (2006): The New Public Finance, Oxford University Press.</li> <li>❖ Jhingan, M.L (2012) : Monetary Economics , Vrinda Publications, New Delhi.</li> <li>❖ Jhingan, M.L (2012) : Maudrik Arthshastra , Vrinda Publications, New Delhi.</li> <li>❖ Johansen, Life (1965) :Public Economics, Chicago: Rand McNally.</li> <li>❖ Khanna, Perminder (2005): Advanced Study in Money and Banking: Theory and Policy Relevance in The Indian Economy , Atlantic.</li> <li>❖ Lal, S.N (2012): Mudra, Banking, Avam Videshi Vinimay , Shiva Publishing House, Allahabad.</li> <li>❖ Margolis, J. &amp; Guitton, H : Public Economics (1974), Mcmillan.</li> <li>❖ Musgrave, R.A (1959) , The Theory Of Public Finance, McGraw Hill.</li> <li>❖ Musgrave, R.A &amp; P.B. Musgrave (1989) : Public Theory: Theory &amp; Practice, McGraw Hill.</li> <li>❖ Nadar, E. Narayanan (2013) : Money and Banking , PHI Learning Press.</li> <li>❖ Paul, R.R (2011): Money, Banking &amp; Exchange , Kalyani Publishers, Delhi.</li> <li>❖ Seth, M.L (2012) : Maudrik Arthshastra , Laxmi Narayan Publications, Agra.</li> <li>❖ Shome Parthasarathi (2002): India's Fiscal Matters, Oxford University Press, New Delhi.</li> <li>❖ Uppal, R.K (2011): Money, Banking and Finance in India- Evolution &amp; Present Structure New Century Publications.</li> </ul>		
<b>Suggested Continuous Evaluation Methods:</b> Assignment / test / Quiz( MCQ) / Seminar/Presentations/ Research orientation of students		
<b>Suggested equivalent online :</b> Swayam Coursera		

*Answer*



# B.A, III year, Semester, V

## Theory Paper

Programme/Class: Degree/BA		Year: Third	Semester: Fifth
Subject: Economics			
Course Code: A080501T		Course Title: Economic Growth and Development	
<b>Course outcomes:</b>			
<ul style="list-style-type: none"> <li>Students should be able to comprehend the concept and meaning of economic growth and economic development.</li> <li>Students should be able to distinguish between economic growth and economic development.</li> <li>Students should be able to comprehend the issues and challenges in economic growth and development.</li> <li>Students should be able to comprehend and explain the concept of poverty and human development &amp; the related concepts.</li> <li>Students should be familiar with the approaches to development.</li> <li>Students should be able to understand and explain the factors and variable of economic development.</li> <li>Students are able to understand how international factors facilitate and impede economic development.</li> </ul>			
Credits: 5		Core Compulsory	
Max. Marks: 25+75		Min. Passing Marks: 40	
Total No. of Lectures-Tutorials-Practical (in hours per week): P- 2/w			
Unit	Topics		No. of Lectures
<b>Part I</b>			
I	Meaning and Measurement of Economic Growth and Development- Measuring Development and Development Gap, GDP, GNP, Per Capita Income, Factors affecting Economic growth and Development.		10
II	Concept of Poverty and Inequality, Vicious cycle of poverty, Lorenz Curve, Gini Coefficient Concept of Human Development, Human Development Index, Physical Quality of Life Index, Quality of Life Indices. Hunger Index, Happiness Index, Development and Sustainability. Concept of Sustainable Development. Millennium Development goals.		10
III	Lewis model of labour surplus economy, Rosentain Rodan's theory of Big Push, Nelson's Level equilibrium trap, balanced vs Un-balanced growth, Rostow's stages of growth, Harrod and Domar Growth models.		10
IV	Theory of Demographic Transition, Population as Limits to Growth. The Concept of Inclusive Growth- with Reference to India. Market Failure and Government Failure, Food Security, Education, Health and Nutrition, Gender and Development.		10
<b>Part II</b>			
V	Development & Underdevelopment: an Overview; The Characteristics and Explanations Of Underdevelopment- Vicious Circle of Poverty, Circular Causation, Dualism-Social, Technological, Financial, Organizational, Model of Dual Economy, Lewis, Ranis-Fei, Jorgenson, Dependency Theories of Underdevelopment.		10
VI	Models of Technical Progress, Embodied and Disembodied Technical Progress, Neutral Technical Progress- Hicks, Harrod, Solow, Kaldor, Mirrlees Technical Progress Function, Arrow's Learning by Doing Approach to Economic Growth.		10
VII	Accumulation Endogenous growth, Intellectual capital, Role of Learning, Education and Research, Explanations of Cross country Differentials in Economic Growth, Information Paradigm-Stiglitz		8
VIII	International Trade, Aid and Finance in the Development of Developing Countries-with special reference to India. FDI & FII, Role of Technology Transfer and Multinational Corporations in promoting development in development of developing countries-with Special Reference to India.		7
<b>Suggested Readings:</b>			
❖ Barro, Robert J and Xavier Sala-i- Martin, Economic Growth, The MIT Press,			



Cambridge, Latest Edition.

- ❖ Basu, Kaushik (2010): Analytical Development Economics: The Less Developed Economy, Oxford University Press.
- ❖ Dasgupta, Dipankar: Growth Theory, Oxford University Press, 2007
- ❖ Ghatak, S., An Introduction to Development Economics. Allen and Unwin London, latest edition.
- ❖ Hayami, Y., Development Economics, Oxford University Press, New York, 2010 (5th Impression)
- ❖ Hayami, Yujiro&Godo, Yoshihisa (2005) : Development Economics: From the Poverty to the Wealth of Nations, Oxford University Press.
- ❖ Hendrik Van Den Berg, Economic Growth and Development, McGraw-Hill International Edition, 2005
- ❖ Jhingan ,M.L (2013): Economics of Development and Planning, Vrinda Publications, NewDelhi.
- ❖ Jhingan ,M.L (2013): Vikas Ka ArthshastraAwamNiyojan, Vrinda Publications, NewDelhi.
- ❖ Lal ,S.N (2012):Vikas, Niyojan Awam Paryavaran, Shiva Publishing House,Allahabad.
- ❖ Lekhi, R.K (2013): Economics of Development and Planning, Kalyani Publishers, New Delhi.
- ❖ Meier, G.M., Leading Issues in Economics Development, Oxford University Press, New Delhi, Latest edition.
- ❖ Mishra,S.K&Puri,V.K (2012): Economics of Development and Planning, Himalaya Publishers, Mumbai.
- ❖ Ray Debraj, Development Economics, Oxford University Press, Latest Edition.
- ❖ Singh, Kartar&Shishodia (2007): Environmental Economics: Theory andApplications, SageIndia.
- ❖ Singh,S.R(2012):EnvironmentalEconomics,APHPublishingCorporation,Delhi.
- ❖ Somashekar, NT: Developmental Economics, New Age Publication (Latest edition)
- ❖ Taneja,M.L&Myer,R.M (2011): Arthshastra Ki YojnayeAwamVistaar, Visha PublishingCom pany,Jalandhar (New Delhi).
- ❖ Thirlwall, A.P., Growth and Development with Special Reference to Developing Economies, Macmillan, UK, 1999.
- ❖ Todaro,Michael.P&Smith,Stephen.C (2011) : Economic Development, Pearson.

**BA 3<sup>rd</sup> Year, Sem. V**  
**Course II (Optional)**  
**(Theory)**

Programme/Class: Degree/BA	Year: Third	Semester: Fifth
Subject: Economics		
Course Code: A080502T	Course Title: Environmental Economics	
<b>Course outcomes:</b> <ul style="list-style-type: none"><li>• Students should be familiar with the basic concepts of ecology environment and economy.</li><li>• Students to understand the solution to environmental problems- the command and control approach, market based methods, tax tradable pollution permit, etc, carbon trading</li><li>• Students should be familiar with the concept of Sustainable development, environmental impact assessment CO 5: Global and local environmental concerns.</li><li>• Students should be comprehend the Local Issues of Economic Bearing related to environment &amp; development.</li><li>• Students should realize the importance and influence of environment on the economy including the quality of manpower.</li><li>• Students should realize the importance to make cleaner environment so as to achieve harmonious development.</li><li>• Students should comprehend that environmental problem is not the problem of a single country or region but</li></ul>		

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a global problem/issue. • Demonstrate an awareness of economic growth problems, issues in globalisation, and provide grounding in major growth strategies and development.		
Credits: 5		Core Compulsory
Max. Marks: 25+75		Min. Passing Marks: 40
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
<b>Part I</b>		
I	Introduction: Key environmental issues and problems, economic way of thinking about these problems, basic concepts from economics; Pareto optimality and market failure in the presence of externalities; property rights and other approaches.	10
II	The Design and Implementation of Environmental Policy: Overview, Pigouvian taxes and effluent fees, tradable permits, implementation of environmental policies in India and international experience; trans-boundary environmental problems; economics of climate change	10
III	Environmental Valuation Methods and Applications: Valuation of non-market goods and services--theory and practice; measurement methods; cost-benefit analysis of environmental policies and regulations.	10
IV	Sustainable Development: Concepts; measurement; perspectives from Indian experience.	7
<b>Part II</b>		
V	The Theory of Externalities- Positive & Negative Externalities; Public Goods; Private Goods; Public Bads; Market Failure and Pigouvian Solution- Pigouvian Tax.; Coase's Theorem And Property Rights; Eco- Labelling; Eco-Efficiency.	8
VI	Social Limits to Growth Model; Green Accounting; Environmental Valuation- Meaning, Need for Environmental Valuation, Methods of Environmental Valuation; Difficulty in Measuring Environmental Values, Environmental Damages and Its Valuation.	10
VII	Indian Constitution and the Environment; Environmental Management- Meaning and Concept, Objectives and Goals, Obstacles; Environmental Impact Assessment; Environmental Education and Awareness-Dilemma of Environmental Ethics and Practical Problems, Environmental Education in India.	10
VIII	Population and Environment; Trade and Environment in the WTO Regime; Climate Change- Meaning and Concept, Ozone Depletion, Acid Rain, Global Warming and Greenhouse Effect; Indian Environmental Issues and Legislations; Role of Judiciary in Environmental Protection and Conservation; International Environmental Issues and Legislations, Carbon Trading.	10
<b>Suggested Readings:</b> <ul style="list-style-type: none"> <li>• Bharucha, Erach : Paryavaran Adhyann, Orient Blackswan.</li> <li>• Bhattacharya, Rabindra Nath (2002): Environmental Economics – An Indian Perspective, Oxford University Press.</li> <li>• Eugene, T (2005) : Environmental Economics, Vrinda publications, Delhi.</li> <li>• Jhingan, M.L &amp; Sharma, C.K (2009) : Environmental Economics Theory Mgt &amp; Policy, Vrinda publications, Delhi.</li> <li>• Kolstad, Charles. D (2012): Intermediate Environmental Economics, Oxford University Press.</li> </ul>		



- Nagre, Vijay.H (2012) : Environmental Economics, Chandralok Prakashan.
- Singh, Kartar & Shishodia (2007): Environmental Economics: Theory and Applications, Sage India.
- Singh, S.R(2012): Environmental Economics, APH Publishing Corporation, Delhi.
- Smith, Stephen (2011): Environmental Economics: A Very Short Introduction, Oxford University Press.
- Tripathi, Daya Shanker : Paryaavaran Addhyayan, Motilal Banarasidass Pvt Ltd.

**B A 3<sup>rd</sup> Year,  
Sem.V Course II (Optional)  
(Theory)**

Program/Class: Degree /BA		Year: Third	Semester: Fifth
Subject: Economics			
Course Code:A080503T		Course Title: International Economics	
<b>Course outcomes:</b> <ul style="list-style-type: none"><li>• Students should be able to understand and explain the concept, need, significance and scope of international economics.</li><li>• Students should be familiar with the approaches of international trade.</li><li>• Students should be familiar with and are able to explain the economic integration at the global level and the formation of groups.</li><li>• Students are familiar with the international organizations and their objectives. Students should be able to analyse the importance and relevance of these international organizations.</li></ul>			
Credits: 5		Core Compulsory	
Max. Marks: 25+75		Min. Passing Marks:40	
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w			
Unit	Topics		No. of Lectures
Part I			
I	Need, Significance and Scope of International Economics. Early Trade Theory-Mercantilism; The Classical Theories of Trade -Adam Smith, David Ricardo; Opportunity Cost Approach; Terms of Trade-Meaning and Concepts, Factors affecting Terms of Trade; Mill's Reciprocal Demand Analysis.		8
II	Free Trade and Protection-Meaning of Free Trade, Arguments For and Against Free Trade, Meaning of Protection, Arguments for Protection-Economic and Non-Economic Arguments; Protection and Less Developed Countries.		7
III	Theories and Forms of Economics Integration-Meaning &Benefits; Forms of Economic Integration- Custom Union: Production and Consumption Effects of Customs Union; Problems Involved in the Formation of Customs Union; Political Economy of Protection; SAFTA,BRICS,IBSA.		10
IV	Balance of Payments-Concepts ; Adjustment Mechanisms of Balance of Payments- Adjustment Through Variations in Exchange Rates, Devaluation and Balance of Payments Adjustment, The Elasticity Approach, Marshall-Lerner Condition.		10
Part II			

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V	Heckscher-Ohlin Theorem, The Leontief Paradox, Post-Heckscher-Ohlin Theories of Trade- Technological Gap Model; The Krugman Model, Effects of Growth on International Trade- Production & Consumption Effects, Export Pessimism, Immiserising Growth; Gains from Trade-Meaning and Types, Factors Determining Gains from Trade.	10
VI	International Financial Institutions-IMF,WORLD BANK,ADB; GATT, WTO- TRIPS & TRIMS, WTO and India; UNCTAD, North-South Trade Dialogue, South-South Cooperation; Globalization; FDI.	10
VII	Quantitative Restrictions: Quota-Meaning, objectives, Types and Effects of Import Quotas; Tariffs-Meaning Types and Effects of Tariffs; Non-Tariff Barriers-Meaning, Classification and Types.	10
VIII	Foreign Exchange-Meaning and Instruments, Exchange Rate Determination, Mint Par Parity theory, Purchasing Power Parity Theory, Hedging, Foreign Exchange Rate Policy- Fixed, Flexible & Multiple Exchange Rate System; Convertibility of Rupee in Current Account and Capital Account, Move Towards Capital Account Convertibility; Global Financial Crisis.	10

**Suggested Readings:**

- Agarwal,Babita (2009) : Antarrastriya Arthshastra, Omega Publications.
- Bhatia,H.L (2006) :International Economics, Vikash Publishing House.
- Cherunilam,Francis (2008) :International Economics" Tata McGraw Hill Education.
- Field,Alfred.J & Appleyard, Dennis.R (2013) : International Economics, McGraw Hill Education.
- Gerber,James (2012) : International Economics, Pearson.
- Jhingan, M.L (2011): Antarrastriya Arthshastra, Vrinda Publications, New Delhi.
- Krugnan,Paul.R & obstfeld, Maurice (2008) : International Economics, Pearson.
- Lal,S.N (2012) :Antarrastriya Arthshastra, Shiva Publishing House,Allahabad.
- Mannur,H.G (2001) :International Economics, Vikash Publishing House Pvt Ltd.
- Salvatore,Dominick (2012) : International Economics: Trade & Finance, Wiley Publishers.
- Sinha,V.C., Sinha,Pushpa & Sinha,Vivek (2011) : Antarrastriya Vyapar Avam Vitt, Mayur Publications.
- Vaishya,M.C. & Singh,Sudama (2006) : International Economics , Oxford &IBH Publishing House, Delhi.

**Suggested Continuous Evaluation Methods:**

Assignment / test / Quiz( MCQ) / Seminar/Presenatations/ Research orientation of students

**Suggested equivalent online :**

Swayam

BA 3<sup>rd</sup> Year, Sem. V

Course III

(Project)

Program/Class: Degree /BA		Year: Third	Semester: Fifth
Subject: Economics			
Course Code: A080603R		Course Title: Elementary Statistics based Project	
Course Outcome:			
<ul style="list-style-type: none"><li>• Students to be familiar with the concepts in Statistics.</li><li>• The concepts comprehended by the students shall be put to use in practice.</li></ul>			

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- The students become familiar with the practical aspects of preparing a questionnaire/interview schedule and putting them in usage.
- The information/data collected by the students should be analyzed with the help of Statistical Tools taught so as to derive inferences.
- The students shall experience the practical aspect of the theory of statistics being taught in the class room environment.
- The students are able to use statistical tools vis-à-vis given real life situation.
- Practical work to be based on the topics covered in the contents given below.

Credits: 3		Core Compulsory
Max. Marks: 25+75		Min. Passing Marks:40
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
I	Introduction to Basic Concepts in Statistics: Population, Sample, Parameter, Data-Meaning & types. Questionnaire, Schedule & Interview Schedule (meaning, concept & types), Frequency Distribution, Cumulative frequency; Graphic and Diagrammatic representation of data.	45 (Class room teaching and practical)
II	Measures of Central Tendency - Mean, Median, Mode, Geometric mean and Harmonic mean. (Meaning, concept, properties & methods of measurement-in brief). Measure of Dispersion: Range, Mean Deviation, Standard deviation, Coefficient of Variation, Quartile deviation, Skewness and Kurtosis (Meaning, concept, properties & methods of measurement-in brief)	
III	Correlation: Meaning, Concept, Types & Properties. Methods of Regression: Meaning and Concept. Least squares method, Interpretation of Regression Coefficients. Meaning, concept & types of Sampling. Meaning & concept of Hypothesis & hypothesis testing.	
IV	Time Series: Concept, Meaning & Components - Determination of Regular, Trend and Seasonal Indices. Index Number: Concept, Classification of Index Numbers-price relative, quantity relative, value relative & special purpose (in brief). Consumer Price Index(CPI), Whole Sale Price Index (WPI), Methods of Construction of Index Numbers- i Unweighted & ii Weighted indices (in brief). Test of Adequacy of Index Number Formulae (in brief).	

**Suggested Readings:**

- Elhance, D.L (2010) : Sankhiki Ke Siddhant (Hindi), Kitab Mahal.
- Greenlaw, Steven A (2005): Doing Economics: A Guide to Understanding and Carrying Out Economic Research.
- Gupta, S.P (2011) : Statistical Methods, Sultan Chand & Sons, Delhi.
- Hazarika, Padmalochan (2006) : Essential Statistics for Economics and Commerce , Akansha Publishing House.
- Kothari, C.R: Research Methodology: Methods & Techniques. New Age International Publishers ISBN (13) : 978-81-224-2488-1
- Leighton, Thomas (2011) : Using Statistics in Economics, Tata McGraw Hill Education.

*Answer*



- Lind, Wathen & Marchal (2013): Basic Statistics for Business & Economics, McGraw Hill Education.
- Newbold, Paul (2008) : Statistics for Business and Economics , Pearson Education.
- Richard ,I. Levin. H. Siddiqui Masood S. Rubin David Sanjay Rastogi (2017):\_ Statistics for Management. Pearson. ISBN-10 8184957491
- Sharma,J.K(2011) : Business Statistics "Pearson Education.

**Note:**

- ❖ Aforestated Four units given are to be taught in the classroom keeping in view that the project is based on the use/application of the Statistical tools taught & as per the focus/objective of the problem.
- ❖ Students are expected to develop an understanding of how to prepare a questionnaire/interview schedule for the usage.
- ❖ The field work will be arranged by the department for which an institutional mechanism will be developed by the respective institution.
- ❖ The students will prepare a thorough report after the completion of the field work and submit it for the evaluation thereafter.
- ❖ The template/format for the submission of the report will be developed by the respective department.

**BA3<sup>rd</sup> Year, Sem. VI  
Course I  
(Theory)**

Program/Class: Degree /BA	Year: Third	Semester: Sixth
Subject: Economics		
Course Code:A080601T	Course Title: Indian Economy & Economy of Uttar Pradesh	
<b>Course Outcome :</b> <ul style="list-style-type: none"><li>• Students should be able familiar with the basic characteristics of Indian economy,</li><li>• Students should be able familiar with the it's potential on natural resources of Indian economy and the economy of Uttar Pradesh.</li><li>• Students are able to understand the importance, causes and impact of population growth and its distribution, translate and relate them with economic development.</li><li>• Students are able to develop an understanding about Uttar Pradesh , its demographic feature, natural resources and factors that cn stimulate its economic growth and development.</li><li>• Students should be familiar with the rural development of Uttar Pradesh over the period of time.</li><li>• Students should be familiar with the industrial development in India and in Uttar Pradesh.</li></ul>		
Credits: 5		Core Compulsory
Max. Marks: 25+75		Min. Passing Marks: 40
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
Part I		

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I	Structure and Features of Indian Economy: Indian economy as a Developing Economy. Comparative Development of Indian States.	8
II	Agricultural Sector: Institutional Reforms, Technological change in Agriculture, Terms of Trade between Agriculture and Industry; Agricultural Policy, Policies for Sustainable Agriculture. Agrarian Crisis and Agricultural Labour.	10
III	The Industrial Sector: Industrial Policy; Public Sector Enterprises and their Performance, Privatization and Disinvestment debate, Small, Medium and Large-scale Sector, Industrial Labour, trade Union Movement.	10
IV	Planning in India: Objectives and Strategy of Planning; Success story of Indian Plans; Strategy of Inclusive Growth, Resource mobilization for Development.	10
<b>Part II</b>		
V	Nature, Features, Demographic Profile, Status of Natural Resources, Major Factors affecting growth and development in Uttar Pradesh. Economic and non-economic factors in economic development of Uttar Pradesh.	10
VI	Sectoral growth pattern in Uttar Pradesh; Economic growth in Uttar Pradesh and Indian economy: A comparison; Infrastructural development of Uttar Pradesh.	7
VII	Pattern of land-holding and irrigation; production and productivity in agriculture, Farm mechanization, Crop diversification, agricultural credit, Agricultural policy and strategies in Uttar Pradesh, Rural Development in Uttar Pradesh.	10
VIII	Problems and Policies. Major industries in Uttar Pradesh, Pattern of Industrial Development in Uttar Pradesh, Industrial Policy in Uttar Pradesh, Growth pattern of Services sector and its linkages of other sectors of UP Economy. Micro, Small, Medium Enterprises (MSMEs) in Uttar Pradesh. One Product One District (OPOD).	10

**Suggested Readings:**

1. Agarwal, M K. (2009): Uttar Pradesh ka Arthik Vikas. New Royal Book Company
2. Annual Financial Statement (Budget) of the Government of Uttar Pradesh published in different years & the latest.
3. Annual Financial Statement (Budget) of the Government of Uttar Pradesh published in different years & the latest.
4. Annual Financial Statement (Budget) various years & Latest published by the Government of India.
5. Economic Surveys, Government of India (Hindi/English)
6. Indian Economy by Mishra & Puri. Himalaya Publishing House (Hindi /English)
7. Indian Economy by Uma Kapila, Academic Foundation
8. Indian Economy. Rudra Dutt & Sunderam. S. Chand & Company (Hindi /English)
9. Mishra, Arvind Narayan & Atul Chandra (2018): The Economy of Uttar Pradesh. Gutenberg Publication ISBN: 9789386240224, 9789386240224
10. Mishra, Arvind Narayan & Atul Chandra (2018): The Economy of Uttar Pradesh. Gutenberg Publication ISBN: 9789386240224, 9789386240224
11. Publications of the Government of Uttar Pradesh.
12. Publications of the Government of Uttar Pradesh.
13. Uttar Pradesh Human Development Report, UNDP, 2008.
14. Uttar Pradesh Human Development Report, UNDP, 2008.
15. Uttar Pradesh State Development Report, Volume I & II, State Plan Division, Planning Commission.

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- Government of India, 2014.  
16. Uttar Pradesh State Development Report, Volume I & II, State Plan Division, Planning Commission, Government of India, 2014.

Suggested Continuous Evaluation Methods:

Assignment / test / Quiz( MCQ) / Seminar/ Presentations/ Research orientation of students

Suggested equivalent online :

Swayam

**BA 3<sup>rd</sup>Year**  
**Sem. VI**  
**Course II (Optional)**  
**(Theory)**

Program/Class: Degree /BA	Year: Third	Semester: Sixth
Subject: Economics		
Course Code: A080602T	Course Title: Agriculture Economics	
<b>Course Outcome</b> <ul style="list-style-type: none"><li>• Students should be able to comprehend and explain the approaches to economic development with respect to dualistic development.</li><li>• Students should be able to understand and explain the basics of agriculture economics.</li><li>• Students should be familiar with labour issues in agriculture sector.</li><li>• Students should be able to explain the significance of agriculture in the economic growth and economic development of an economy and in case of Indian Economy.</li><li>• Students should be familiar with the institutional initiatives to strengthen the rural and agricultural development to achieve self sufficiency.</li><li>• Students should be able to comprehend the role of credit in the development of agriculture in a country like India and the significance of institutional mechanism in this regard.</li></ul>		
Credits: 5		Core Compulsory
Max. Marks: 25+75		Min. Passing Marks:40
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
<b>Part I</b>		
I	Models of Agricultural Development: Physiocrats approach, W. A. Lewis model, Fei & Ranis Model, Schultz Theory of Agricultural Development, Jorgenson's Dual Economy Model	10
II	Agricultural Production Function, Supply Response, Farm Size, Returns to Scale and Productivity. Cobweb Theorems. Farm Size and Productivity Debate; Theoretical And Empirical Findings. Agricultural Price Policy in India.	10
III	Labour in Agriculture- Interlocking of Factor Markets, Labour and Work Force in Rural Farm and Non-Farm Sectors. Agricultural Labour- Problem and Policy. Concept and Measurement of Rural Poverty & Employment, Poverty Alleviation Programmes (in brief-the Objectives, Achievements & the Shortcomings).	10
IV	Current Issues in Indian Agriculture- Poverty & Food Security in India, Agro- Subsidies in India, Subsidy Vs Public Investment. Export and	10

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Imports of Agricultural Commodities, Terms of Trade in Indian Agriculture, WTO and Indian Agriculture-Bali Negotiations		
<b>Part II</b>		
V	Role Of Agriculture in Economic Growth and Development in India. Backward, Forward Linkage between Agriculture and Industry, Approaches towards Agriculture And Allocation of Resources under Different Plans in India. Employment Elasticity in Indian Agriculture, Challenges & Issues Regarding Agricultural Area Expansion, Production and Productivity in India (With Focus On Post Reform (Post 1991 & 1995) Period.	10
VI	Land Reforms in India & Its Contemporary Relevance, Green Revolution and the Need for Second Generation, Green Revolution, Role of Infrastructural Support-Irrigation, Power, Seeds Fertilizers, Marketing Support System and Roads in Agricultural Development in India..	10
VII	Role of Credit in Agricultural Development, Institutional & Non-Institutional Sources of Credit in India, Cooperative Movement in India (In Brief). Role of Schedule Commercial Banks, Lead Banks, Regional Rural Banks and NARBAD to Promote Agricultural Development.	8
VIII	Agricultural Marketing: Meaning and Concept. Structure of Agricultural Markets in India, Issues and Challenges in the Marketing of Agricultural Products in India (With Focus On The Post Reform Period-Post 1991). Agricultural Diversification: Meaning, Concept & Issues. Crop Diversification: Meaning, Concept and Issues. Farm Incomes and Employment in Indian Agriculture.	7

#### Suggested Readings:

- Bardhan, P. (1984) Land, Labour and Poverty; Essays in Economic Development, OUP, New Delhi.
- Bhaduri, A. (1984), The Economic Structure of Backward Agriculture; Macmillan, Delhi.
- Bhalla, G.S., (2007) Indian Agriculture since Independence, National Book Trust, India
- Bharadwaj, K. (1974), Production Condition in India Agriculture; OUP, Cambridge.
- Black, J.D, (1953) Introduction to Economics for Agriculture, Macmillan.
- Dantawala, M.L. et al. (1991): Indian Agricultural Development since Independence, Oxford & IBH, New Delhi.
- Dash, Mrutyunjay (2013): Agricultural Economics, Anmol Publications.
- Ghatak, Sand K. Ingerscant(1984), Agriculture and Economic Development; Select Books, New Delhi.
- Griffin, K.(1973): Political Economy of Agrarian Change.
- Gupta, P.K (2012) : Agricultural Economics, Vrinda Publications, Delhi.
- Gupta, P.K (2012) : Krishi Arthsastra , Vrinda Publications, Delhi.
- Khusro, A.M.(1973), The Economics of Land Reforms and Farm Size in India, MacMillan.
- Kumar, N.S.Ravi (2010) : Agricultural Economics, Neha Publishers.
- Lekhi, R.K(2013) : Agricultural Economics, Kalyani Publishers.
- Lekhi, R.K(2013) : Krishi Arthsastra, Kalyani Publishers.
- Mahajan, Ashwani (2010): Agricultural Economics, Centrum Press.
- Mellor, J.W., The Economics of Agricultural Development, Vora and Co., Bombay, 1964.
- Raghavan and L. Sarkar (Eds.) (1996): Poverty and Employment: New Delhi.
- Raj, K.N. et.al. (1988): Essays in the Commercialization of Indian Agriculture; OUP, New Delhi.
- Rao, CHH (1993): Agricultural Growth, Rural Poverty and Environmental Degradation in India, OUP, New Delhi.
- Rao, CHH, (1975): Technological Change and Distribution of Gains in Indian Agriculture, MacMillan.
- Rudra, A. (1982): India Agriculture Economics; Myths and Reality: Allied Publishers, New, Delhi.

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- Sarap Kailash (1991): Interlinked Agrarian Markets in Rural India, Sage Publication, New Delhi.
- Schultz, T.W.(1964): Transforming Traditional Agriculture, Yale University Press.
- Soni, R.N (2011): Krishi Arthshastra Ke Mukhya Vishay, Vishal Publishing Company, Jalandhar (New Delhi)
- Soni, R.N (2011): Leading Issues In Agricultural Economics, Vishal Publishing Company, Jalandhar (New Delhi)
- Sunder, I (2010): Principles of Agricultural economics, Neha Publishers.
- Talathi, J.M (2008): Introduction To Agricultural Economics And Agribusiness Management, Ane Books.
- Taylor, H.C., (1949), Outlines of Agricultural Economics, MacMillan.
- Verma, N.M.P. (1990), Irrigation Change and Agricultural Development, Uppal, New Delhi.

**BA 3<sup>rd</sup> Year, Sem. VI**  
**Course III(Optional)**  
**(Theory)**

Program/Class: Degree /BA	Year: Third	Semester: Sixth
Subject: Economics		
Course Code: A080603T	Course Title: Elementary Mathematics	
Course Outcome		
<ul style="list-style-type: none"><li>• Students should be familiar with the basis concepts of mathematics and their application in economics.</li><li>• Students are able to comprehend &amp; explain the concepts of straight lines slope etc of mathematics and its application in economics.</li><li>• Students should be able to understand basics of differential &amp; its application in economics.</li><li>• Students should be able to understand and work with matrices and determine if a given square matrix is invertible.</li><li>• Learn about and work with vector spaces and subspaces.</li><li>• Students are able to understand and work with the concepts of linear programming &amp; graphic methods.</li></ul>		
Credits: 5	Core Compulsory	
Max. Marks: 25+75	Min. Passing Marks:40	
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
Part I		
I	Basic Concepts: Variables, Sets, Functions, Equations, Identities, Systems of Equations	9
II	Application of Straight Line System, Slope of the Line, Homogeneous Function.	9
III	Role Of Mathematical Techniques In Economic Analysis, Theory of Numbers, Indices and Factorization.	9
IV	Progression, Growth Rate, Equilibrium.	9
Part II		
V	Basics of Calculus: Rules of Differentiation of a Function; Maxima and Minima,	9
VI	Elasticities; Inter- relationships among Total, Marginal and Average Cost and Revenues; Constrained Optimisation Problem; Integration of a Function, Consumer's and Producer's Surplus	10

*A. K. Sharma*



VII	Matrix and Determinants: Various types of Matrices, Determinants, Inverse of a Matrix, Cramer's Rule.	10
VIII	Concept of Linear Programming — Graphic Methods.	10
Suggested Readings:		
<ol style="list-style-type: none"> <li>1. Agarwal, D.R. (2009): Mathematics for Economics, Vrinda Publications, Delhi. Livornois, John., Rees, Ray., &amp; Hoy, Michael (2012) : Mathematics for Economics , PHI Learning.</li> <li>2. Agarwal, D.R. "Prarambhik Ganitiya Arthshastra (Hindi), Vrinda Publications, Delhi.</li> <li>3. Allen, R.G.D (2008) : Mathematical Analysis for Economics , AITBS.</li> <li>4. Bhardwaj, R.S (2006): Mathematics for Economics and Business, Excel Books.</li> <li>5. Chiang, A.C &amp; Wainwright, Kevin (2013) : Fundamental Methods of Mathematical Economics" McGraw Hill Publication.</li> <li>6. Dowling, Edward.T (2005): Schaum's Easy Outline of Introduction to Mathematical Economics , Tata McGraw Hill Education.</li> <li>7. Madhani, G M K : Mathematics for Economics. Sultan Chand &amp; Sons</li> <li>8. Mishra, J.P. "Ganiteeya Arthshastra", Pratiyogita Sahitya.</li> <li>9. Rosser, Mike (2003) : Basic Mathematics for Economists , Routledge.</li> <li>10. Seth, M.L., " Arthshastramei Prarambhik Ganit", Luxmi Narayan Publications, Agra.</li> <li>11. Sharma, J.K (2007): Business Mathematics, Ane Books Pvt. Ltd.</li> <li>12. Yamane, Taro (2007) : Mathematics For Economists : An Elementary Survey , PHI Learning</li> </ol>		
Suggested Continuous Evaluation Methods:		
Assignment / test / Quiz ( MCQ ) / Seminar/ Presentation/ Research orientation of students		
Suggested equivalent online : Swayam		

**BA3<sup>rd</sup> Year, Sem. VI**  
**Course IV**  
**(Project/Dissertation)**

Program/Class: Degree/BA	Year: Third	Semester: Sixth
Subject: Economics		
Course Code:A080604R	Course Title: Project/Dissertation	
<b>Course outcomes:</b> <ul style="list-style-type: none"><li>• The objective of introducing Dissertation/Project at the graduation level is to familiarise, acquaint and experience the local issues of economic implication or focused on economic wellbeing and behaviour of consumers/citizens.</li><li>• It aims at enabling the students to use and apply the learned economic principles vis-a-vis local economic issues.</li><li>• To enable them to learn preparation of questionnaire/interview schedule.</li><li>• The Template/Format of the Dissertation/Project shall be developed by the respective Department.</li><li>• The idea behind this is to develop economic thinking in the students through direct experience to real life.</li></ul>		
Credits: 3		Core Compulsory
Max. Marks: 25+75		Min. Passing Marks:40
Total No. of Lectures-Tutorials-Practical (in hours per week): P-2/w		
Unit	Topics	No. of Lectures
I	Dissertation Topic on the Local/Current Issues with Economic Focus plus Presentation using Ppt. Dissertation Report will be prepared using Statistical/Research Techniques Surveys, Questionnaire/interview schedule. Questionnaire/Interview Schedule must be attached with the report as	45

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	annexure.	
<b>Suggested Readings:</b> <ul style="list-style-type: none"> <li>• Choubey, Varanya (2018): Research Writing: The Structural Challenge of Communicating Knowledge + A Method to Meet it. ISBN-13: 978-1974673162 &amp; ISBN-10: 1974673162</li> <li>• Greenlaw, Steven A (2005): Doing Economics: A Guide to Understanding and Carrying Out Economic Research, Houghton Mifflin Harcourt (HMH).</li> <li>• Kothari, C R (2013): Research Methodology. New Age International Publishers.</li> <li>• Paliwal, Neha &amp; Surendra Khatri (2018): Sodh Pravidhi. National Publishing House. ISBN: 9788180181726, 8180181723</li> <li>• Pandey Arun &amp; Ganesh Pandey (2009): Sodh Pravidhi. Radha Publication. ISBN-10 : 8174873805</li> <li>• Sharma, Vinay Mohan(2018): Sodh Pravidhi. Mayur Books.</li> <li>• Thomson, Williams (2011): A Guide for the Young Economists. MIT Press</li> </ul>		
This course can be opted as an elective by the students of following subjects: Open for all		
<b>Suggested Continuous Evaluation Methods:</b> Fieldwork, Seminar, Presentations, VIVA, Dissertation.		
Suggested equivalent online : Swayam		

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	annexure.	
<p><b>Suggested Readings:</b></p> <ul style="list-style-type: none"> <li>• Choubey, Varanya (2018): Research Writing: The Structural Challenge of Communicating Knowledge + A Method to Meet it. ISBN-13: 978-1974673162 &amp; ISBN-10: 1974673162</li> <li>• Greenlaw, Steven A (2005): Doing Economics: A Guide to Understanding and Carrying Out Economic Research, Houghton Mifflin Harcourt (HMH).</li> <li>• Kothari, C R (2013): Research Methodology. New Age International Publishers.</li> <li>• Pallwal, Neha &amp; Surendra Khatri (2018): Sodh Pravidhi. National Publishing House. ISBN: 9788180181726, 8180181723</li> <li>• Pandey Arun &amp; Ganesh Pandey (2009): Sodh Pravidhi. Radha Publication. ISBN-10 : 8174873805</li> <li>• Sharma, Vinay Mohan(2018): Sodh Pravidhi. Mayur Books.</li> <li>• Thomson, Williams (2011): A Guide for the Young Economists. MIT Press</li> </ul>		
This course can be opted as an elective by the students of following subjects: Open for all		
<p><b>Suggested Continuous Evaluation Methods:</b></p> <p>Fieldwork, Seminar, Presentations, VIVA, Dissertation.</p>		
<p>Suggested equivalent online : Swayam</p>		

*Akshita*  
Dean, Faculty of Arts

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