



National Education Policy-2020 Common Minimum Syllabus for all U.P. State Universities/ Colleges

SUBJECT: ECONOMICS

| Name | Designation | Affiliation | | | |
|--|-----------------------------------|--|--|--|--|
| Steering Committee | Steering Committee | | | | |
| Mrs. Monika S. Garg, (I.A.S.), Chairperson Steering Committee | Additional Chief Secretary | Dept. of Higher Education U.P., Lucknow | | | |
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| Dr. Dinesh C. Sharma | Associate Professor | K.M. Govt. Girls P.G. College Badalpur, G.B. Naga <mark>r</mark> , U.P. | | | |
| Supervisory Committee - | Arts and Humanities Stre | eam | | | |
| Prof. Divya Nath | Principal | K.M. Govt. Girls P.G. College Badalpur, G.B. Nagar, U.P. | | | |
| Prof. Ajay Pratap Singh | Dean, Faculty of Arts | Ram Manohar Lohiya University, Ayodhya | | | |
| Dr. Nitu Singh | Associate Professor | HNB Govt P.G College Prayagaraj | | | |
| Dr. Kishor Kumar | Associate Professor | K.M. Govt. Girls P.G. College Badalpur, G.B. Nagar, U.P. | | | |
| Dr. Shweta Pandey | Assistant Professor | Bundelkhand University, Jhansi | | | |

Syllabus is developed by:

| S. N. | Name | Designation | Department | College/University |
|-------|-------------------------------|--------------------------------------|---|--|
| 1. | Dr. Vinod Kumar Srivastava | Professor, Convener of the Team | Department of Economics and Rural Development | Dr. Ram Manohar Lohia Avadh University, Ayodhya (U P) |
| 2. | Dr. Dinesh Kumar | Professor, Member | Department of Economics | CCS University Meerut (U P) |
| 3. | Dr. Rashi Krishna Sinha | Associate Professor, Secretary | Department of Economics | Dr. Shakuntala Misra National Rehabilitation University, Lucknow (U P) |



B.A. in Economics

The Course is designed for the students pursuing graduation with Economics in regular mode. The programme aims to inculcate economic thinking among the students in economic decision making by comprehending economic theory. It aims to develop analytical view point in the students about the economic behaviour of people. The objective is to nurture among student a view point of a socially responsible and ethical aware citizen. The under graduate programme will have 10 papers in 3 years. In the Third year 02 paper is given as optional. In the Third year, it is proposed to have Dissertation/Project keeping in the spirit of the New Education Policy 2020 to introduce research at the graduation level. The structure of syllabus is based on the template of UGC proposed for the CBCS for undergraduates in Economic.

Programme Specific Outcomes(PSOs)- Student after completing graduation will be able to learn-

| PSO 1: | The behavioural patterns of different economic agents, advance theoretical issues and their |
|-------------|---|
| application | ns. |
| PSO 2: | Understand the basic concept of microeconomics. |
| PSO 3: | Understanding basic concepts of Macroeconomics. |
| PSO 4: | Acquaint with some basic statistical methods to be applied in economics. |
| PSO 5: | Acquaint with some basic mathematical methods to be applied in economics. |
| PSO 6: | Acquaint with some basic theoretical concept of public finance. |
| PSO 7: | Acquaint with the measurement of development with the help of theories along with the |
| conceptua | l issues of poverty and inequalities with Indian perspectives. |
| PSO 8: | Delineate the fiscal policies designed for developed and developing economics. |
| PSO 9: | Facilitate the historical developments in the economic thoughts propounded by different |
| schools. T | o familiarise students with the contribution of Indian Economic Thinkers and the relevance of |
| their contr | ibution. |
| PSO 10: | Learn the basic concept of monetary analysis and financial marketing in Indian financial |
| markets. | गुन्न मार्वत्राम् |
| PSO 11: | Learn the development issues of Indian economy. |
| PSO 12: | Acquaint with some basic concept of environmental economics along with the solution of |
| the environ | nmental problems. |
| PSO 13: | Learn the real and monetary sides of International economics. |
| PSO 14: | Familiarise and acquaint with the characteristics of the economy of Uttar Pradesh. |
| PSO 15: | To familiarize the students about issues of ethics in economic thinking and practice. |



List of all Papers in all Three Years.

Year-wise Titles of the Papers in BA (Economics)

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

भानेन सदूशं पवित्रिम्ह



BA Economics 1st Year, Paper-I (Theory)

| Programme/Class: Certificate | Year: First | Paper-First | |
|------------------------------|--|-------------|--|
| | | | |
| Course Code: A080101T | Course Title: Principle of Micro Economics | | |

Course Outcome:

- 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 & familiarize with day today happenings.
- The students learn and understand the concepts of consumer behaviour like cardinal utility and ordinal utility analysis.
- The students learn and understand application of Indifference curve analysis in deriving demand curves, price effect, income effect and substitution effect.
- The students learn and understand the Theory of production- iso-quants, laws of returns to scale, law of variable proportion.
- The students learn, understand and compare between the Traditional and modern theory of cost.
- Demonstrate an understanding, usage and application of basic economic principles.
- Describe and apply the methods for analyzing consumer behavior through demand and supply, elasticity and marginal utility.
- To analyze the behavioral patterns of different economic agents regarding profit, price, cost etc.
- The decision-making process in different market situations such as perfect competition, monopolistic competition, monopoly and oligopoly markets.
- To deal with the advance theoretical issues and their practical applications of distribution theories.
- General equilibrium, economic efficiency and market failure.

| 1 | Credits:6 | Core Compul | sory |
|------|--|---|--------------------|
| | Max. Marks: 25+75 | | |
| | Total No. of Lectures-Tutorials-Practical (in h | ours <mark>per week): L- 4/w</mark> | |
| Unit | Topics | 54 | No. of Lectures |
| į. | Part I | | 1 |
| I | Introduction: Problem of scarcity and choice: scaproduction possibility frontier; economic systems. I determinants of demand, shifts of demand versus market demand, law of supply, determinants of supplations a supply curve, market supply, market equil supply: price rationing, price floors, consumer surple Elasticity: price elasticity of demand, calculating elasticity, other elasticities. | Demand and supply: law of demand, movements along a demand curve, ly, shifts of supply versus movements ibrium. Applications of demand and lus, producer surplus. | 12 |
| II | Consumer Theory: Budget constraint, concept of Diamond-water paradox, income and substitution ef curves, derivation of demand curve from indifference Theory of Revealed Preference | fects; consumer choice: indifference | 12 |
| Ш | Production and Costs: a. Production: behaviour of profit maximizing fir functions, law of variable proportions, choice of teccost minimizing equlibrium condition. b. Costs: costs in the short run, costs in the lo maximizations, minimizing losses, short run industiseconomies of scale, long run adjustments. | chnology, isoquant and isocost lines, ng run, revenue and profit | 11 |



| | Market Structures | |
|------|---|----|
| IV | 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. | 11 |
| | 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. | |
| | Part II | |
| 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 |
| 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 Utility Possibility Frontier. | 11 |

Suggested Readings:

- 1. Ahuja ,H.L(2013) : Advanced Economic Theory", S.Chand & Company. Shastri,Rahul.A (1999) : Microeconomics", Orient Blackswan.
- 2. Ahuja, H.L (2012): Ucchatar Arthik Siddhant", S. Chand & Company, New Delhi.
- 3. Dwivedi, D.N (2011): Microeconomics-Theory & Applications", Pearson.
- 4. Lal, S.N (2013):Arthshastra Ke Siddhant", Shiva Publishing House, Allahabad. Seth,M.L (2012): Arthshastra Ke Siddhant",Laxmi Narayan Publications,Agra
- 5. Lipsey, Richard & Chrystal, Alec (2011): Economics", Oxford University Press Publications, New Delhi.
- 6. Pindyck, Robert. S., Rubinfield. Daniel. L., Mehta. Prem. L (2009): Microeconomics", Pear son.
- 7. Salvatore, Dominic(2010): Principles of Microeconomics", Oxford University Press Publications, New Delhi.
- 8. Samuelson, Paul. A& Nordhaus, William. D(2010): Economics", Tata McGraw Hill. Koutsoyiannis, A (2008) (2nded): Modern Microeconomics", Macmillan.
- 9. Stonier, A.W& Hague. Douglas. C (2003) (5thed): A Text Book of Economic Theory", Pearson.

Suggested Continuous Evaluation Methods:

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

Suggested equivalent online:

Swayam

Coursera



BA 1stYear,

Paper II, (Theory)

| Program/Class: Certificate | Year: First | Paper: Second | | |
|---|-------------|---------------|--|--|
| Subject: Economics | | | | |
| Course Code: A080201T Course Title: Macro Economics | | | | |

Course Learning Outcomes

- Students are able to explain national income, comprehend calculation methods of national income, and concepts related to national income.
- Students are able to comprehend classical theory of employment and the Keynesian approach.
- Students are able to comprehend the concept of multiplier and it's working.
- Students are able to understand the relationship between inflation and employment.
- Students are able to relate factors determining national income such as consumption, saving and investment.
- 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.

| | Credits:6 | Core Comp | ulsory | | |
|------|--|---|--------------------|--|--|
| | | Min. Passing I | | | |
| | Total No. of Le <mark>ctu</mark> res-T <mark>ut</mark> orial <mark>s-</mark> Pra <mark>cti</mark> cal (in ho <mark>ur</mark> s per week): L- 4/w | | | | |
| Unit | Topics | | No. of Lectures | | |
| I | Introduction: What is macroeconomics? economy. Macro vs. Micro Economics, Introduction to National Income. Concept | Limitations of Macroeconomics; | 12 | | |
| п | National Income Accounting: Concepts of market price and factor cost; Personal Income. Measurement of National Income Value added Methods and related aggre limitations of the GDP concept. | Income and Disposable Personal e- Income, exp <mark>enditure, pr</mark> oduct or | 12 | | |
| ш | Circular Flow of Income and expenditue economy. National Income and Economic | | /11 | | |
| IV | Classical Theory of Employment. Say's I Objection to the Classical Theory; Aggre Supply Functions; The Principle of Effe Function - Average and Marginal Proper influencing Consumption Spending | gate Demand and Aggregate ective Demand; Consumption esity to Consume; Factors | 11 | | |
| | Par | rt II | | | |
| V | The Investment Multiplier and its Effectivestment - Autonomous and Induced In of Capital; Savings and Investment - Ex I Equilibrium. Principle of Accelerator. | nvestment; Marginal Efficiency | 11 | | |
| VI | Rate of Interest: Classical, Neo-Classica Interest. Indeterminateness in Liquidity Pr | • | 11 | | |
| VII | IS-LM Analysis: Derivations of the IS as aggregate demand; shifts in the AD curve. | | 11 | | |
| VIII | Inflation and Unemployment Concept inflation; relationship between inflation a in short run and long run. | · · | 11 | | |



Suggested Readings:

- 1. Ackley.G (1976): Macroeconomics: Theory And Policy, Macmillan, New York.
- 2. Ahuja, H.L (2012): Macroeconomics: Theory and Policy, S. Chand & Company, New Delhi.
- 3. Ahuja,H.L (2012): Samasti Arthshastra, S. Chand & Company, New Delhi. Lal,S.N (2012): SamastibhaviVisleshan, Shiva Publishing House, Allahabad.
- 4. Branson, W.A (1989): Macroeconomics Theory And Policy, Harper & Row.
- 5. D.L (1969): Advanced Macroeconomics, McGraw Hill, New York.
- 6. Dornbusch, Rudiger&startz, Richard (2012): Macroeconomics, Tata McGraw Hill Education.
- 7. Dwivedi, D.N (2010): Macroeconomics: Theory and Policy, Tata McGraw Hill Education.
- 8. Gupta,R.D.&Rana,A.S (2009): Keynes post-Keynesian Economics, Kalyani Publishers, New Delhi &Ludhiana.
- 9. Hansen, A.H (1953): A Guide To Keynes, McGraw Hill.

Credits: 6

- 10. Jhingan, M.L (2010): Macroeconomics, Vrinda Publications, New Delhi.
- 11. Jhingan, M.L (2012): Samasti Arthshastra, Vrinda Publications, New Delhi.
- 12. Shapiro, Edward (2005): Macroeconomic Analysis, Galgotia Publications, New Delhi.
- 13. Sikdar, Saumyen (2011): Principles of Macroeconomics, Oxford University Press, New Delhi.
- 14. Surrey, M.J.C (1976): Macroeconomic Themes, Oxford University Press. Romer,

Suggested Continuous Evaluation Methods:

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

Suggested equivalent online:

Swayam

Coursera

BA 2ndYear, Paper-I

(Theory)

| Programme/Class: Diploma Year: Second Paper: First | | |
|---|--------------------|--|
| | Subject: Economics | |
| Course Code: A080301T Course Title: History of Economic Thought | | |

Course outcomes:

- To learn and discuss, at an advanced undergraduate level, how the economic thought has evolved over time.
- Introducing students to the critical comparison of the contributions of the main schools of economics.
- To introduce & highlight before the students about Indian Economic Thinkers and their valuable contribution in the field of Economics.
- 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.

Core Compulsory

| Total Unit | No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w Topics | No. of |
|---------------|---|----------|
| Unit | Topics | No. of |
| | 11/20 | Lectures |
| | Part I | |
| I | Kautilya, Dada Bhai Naoroji, RC Dutt, BR Ambedkar, R M Lohia, Gandhian Economics. | 12 |
| II | Pt. DeenDayal Upadhyay, JK Mehta , | 12 |
| III | A K Sen, J. Bhagwati | 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 |



| THE RESERVE OF THE PARTY OF THE | | |
|--|--|----|
| 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 |

Suggested Readings:

- 1. Bhatia, H.L: History of Economic Thought, Vikash Publishing House.
- 2. Blackhouse,R (1985): A History of Modern Economic Analysis, Basil Blackwell, Oxford.
- 3. Ganguli, B.N(1977): Indian Economic Thought: A 19th Century Perspective, Tata Mcgraw Hill.
- 4. Hajela, T.N (2011): Aarthik Vicharon Ka Itihas, Ane Books.
- 5. Hajela, T.N (2011): History Of Economic Thought, Ane Books.
- 6. Hunt, E.K&Lautzenheiser, Mark (2011): History of Economic Thought: A Critical Perspective, Phi Learning.
- 7. Jhingan, M.L (2008): Aarthik Vicharon Ka Itihas, Vrinda Publications, New Delhi.
- 8. Kautilya (1992), The Arthashastra, Translated And Introduced By L.N.Rangarajan, Penguin Books.
- 9. Loknathan, V (2009): History of Economic Thought, S.Chand& Company.
- 10. Roll, Eric: History of Economic Thaught, Faber.
- 11. Schumpeter, J.A(1954): Historyof Economic Analysis, Oxford University Press, New York.
- 12. Sinha, V.C (2011): Aarthik Vicharon Ka Itihas, Mayur Pu
- 13. Staley, Charles. E, "A History of Economic Thought: From Aristole To Arrow", Blackwell Publishing.

Suggested Continuous Evaluation Methods:

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

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Suggested equivalent online:

Swayam





BA 2ndYear, Paper-II (Theory)

| Program/Class: Diploma | Year: Second | Paper: Second |
|------------------------|---|---------------|
| Subject: Economics | | |
| Course Code: A080401T | Course Title: Money, Banking and Public Finance | |

Course outcomes:

- Understand simple concepts related with monetary economics and banking theory.
- Correlate and apply to current events & key models and concepts of monetary economics and banking theory.
- Appreciate the potential importance of monetary phenomenon in the economy.
- Understand the sources of finance both public and private
- Demonstrate the role of government to correct market failures and possible advantage of public financing.
- 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.

| | Credits: 6 | Core Compulsory | |
|------|--|---|--------------------|
| | Max. Marks: 25+75 Min. Passing Marks: | | arks: |
| | Total No. of Lectures-Tutorials-Pra | actical (in hours per week): L-4/w | 3 |
| Unit | Topics | | No. of Lectures |
| - 1 | Par | rt I | 1911 |
| I | Money and Value of Money: Money Classification; Gresham's Law; Role of Money Mixed Economies; Monetary Standards Note Issue. Quantity Theory of Money - Cash Tapproaches; The Keynesian Approach. | oney in Capitalist, Socialist and Metallic and Paper Systems of ransaction and Cash Balance | 12 |
| п | Supply of Money: Definitions—Determ Powered Money and Money Multiplier—Ir | | 12 |
| Ш | Commercial Banking: Meaning and typ Banks; The process of Credit Creation Liabilities and Assets of banks; Evolution of after Independence; A Critical Appraisal of Banking after Nationalization; Recent Re Sector in India. | n - Purpose and Limitations; of Commercial Banking in India of the Progress Of Commercial | 11 |
| IV | Functions of a Central Bank; Quantitativ Credit Control - Bank Rate Policy, Open Reserve Ratio and Selective Methods; Rol Bank of India; Objectives and Limitations Special Reference to India. | 11 | |
| | | Part II | |
| V | Nature and Scope of Public Finance: Meani Distinction between Private and Public Fin Goods; The Principle of Maximum Social A of the Government. | ance; Public Goods Vs. Private | 11 |
| VI | Public Expenditure: Meaning, Classification Expenditure; Canons and Effects of Publ Expenditure and Causes of Growth of Publ | ic Expenditure; Trends in Public ic Expenditure in India. | 11 |
| VII | Taxation: Sources of Public Revenue; Tax Classification of Taxes; Division of Tax Bu To-Pay Approaches; Impact and Incidenc Effects of Taxation; Characteristics of A G | rden — The Benefit and Ability- ee of Taxes; Taxable Capacity; | 11 |

Page **8** of **22**



| V | I |
|---|---|

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

Suggested Readings:

- ♦ Bagchi, Amaresh (2005): Readings in Public Finance, Oxford University Press.
- Cullis, John & Jones Philip (2009): Public Finance and Public Choice, Oxford University Press.
- ❖ Eyler, Robert (2009): Money and Banking-An International Text, Routledge.
- Gupta, Janak Raj (2011): Public Economics in India Theory and Practice, Atlantic.
- Gupta,S.B (2009): Monetary Economics-Institutions, Theory & Policy, S.Chand & Company, New Delhi.
- Head, J.C (1974): Public Goods and Public Welfare, Durham, NC, Duke University Press.
- ❖ Inge Kaul, Pedro Conceicao (2006): The New Public Finance, Oxford University Press.
- Jhingan ,M.L (2012): Monetary Economics , Vrinda Publications, NewDelhi.
- ❖ Jhingan, M.L (2012): Maudrik Arthshastra, Vrinda Publications, New Delhi.
- ❖ Johansen, Life (1965): Public Economics, Chicago: Rand Mcnally.
- Khanna, Perminder (2005): Advanced Study in Money and Banking: Theory and Policy Relevance in The Indian Economy, Atlantic.
- Lal, S.N (2012): Mudra, Banking, Avam Videshi Vinimay , Shiva Publishing House, Allahabad.
- ♦ Margolis, J&Guitton, H: Public Economics (1974), Mcmiillan.
- ♦ Musgrave, R.A (1959), The Theory Of Public Finance, McGraw Hill.
- Musgrave, R.A& P.B. Musgrave (1989): Public Theory: Theory & Practice, Mcgraw Hill.
- Nadar, E. Narayanan (2013): Money and Banking, PHI Learning Press.
- Paul, R.R (2011): Money, Banking & Exchange, Kalyani Publishers, Delhi.
- Seth. M.L (2012): Maudrik Arthshastra, Laxmi Narayan Publications, Agra.
- Shome Parthasarathi (2002): India's Fiscal Matters, Oxford University Press, New Delhi.
- Uppal, R.K (2011): Money, Banking and Finance in India- Evolution & Present Structure New Century Publications.

Suggested Continuous Evaluation Methods:

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

Suggested equivalent online:

Swayam

Coursera





BA 3rd Year, (Theory)

| (Incory) | | | |
|-------------------------|---|-------------|--|
| Programme/Class: Degree | Year: Third | Paper-First | |
| Subject: Economics | | | |
| Course Code: A080501T | Course Title: Economic Growth and Development | | |

Course outcomes:

- Students should be able to comprehend the concept and meaning of economic growth and economic development.
- Students should be able to distinguish between economic growth and economic development.
- Students should be able to comprehend the issues and challenges in economic growth and development.
- Students should be able to comprehend and explain the concept of poverty and human development & the related concepts.
- Students should be familiar with the approaches to development.
- Students should be able to understand and explain the factors and variable of economic development.
- Students are able to understand how international factors facilitate and impede economic development.

| | Credits: Core Compul | sory | |
|------|---|--------------------|--|
| | Max. Marks: 25+75 Min. Passing Marks: | | |
| | Total No. of Lectures-Tutorials-Practical (in hours per week): P- | | |
| Unit | Topics | No. of Lectures | |
| 1 | Part I | 7 | |
| 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 | |
| п | 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. Sustainable Development goals. | 10 | |
| ш | Lewis model of labour surplus economy, Rosentein 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 | |
| | Part II | | |
| 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. | | |
| 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 | 7 |
|-------------|--|----------|
| | development of developing countries-with Special Reference to India. | <u> </u> |
| rested Read | ings: | |

Suggested Readings:

& 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 and Applications, Sage India.
- Singh, S.R(2012): Environmental Economics, APHPublishing Corporation, 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.

भानेन सदुशं पवित्रमिष्ट

❖ Todaro, Michael. P&Smith, Stephen. C (2011): Economic Development, Pearson.



BA 3rd Year (Optional)

(Theory)

| Programme/Class:Degree | Year: Third | Paper-Second |
|------------------------|--------------------|---------------------------------------|
| | Subject: Economics | |
| Course Code: A080502T | | Course Title: Environmental Economics |

Course outcomes:

- Students should be familiar with the basic concepts of ecology environment and economy.
- Students to understand the solution to environmental problems- the command and control approach, market based methods, tax tradable pollution permit, etc, carbon trading
- Students should be familiar with the concept of Sustainable development, environmental impact assessment CO 5: Global and local environmental concerns.
- Students should be comprehend the Local Issues of Economic Bearing related to environment & development.
- Students should realize the importance and influence of environment on the economy including the quality of manpower.
- Students should realize the importance to make cleaner environment so as to achieve harmonious development.
- Students should comprehend that environmental problem is not the problem of a single country or region but a global problem/issue.
- Demonstrate an awareness of economic growth problems, issues in globalisation, and provide grounding in major growth strategies and development.

| - 1 | Credits: 5 Core Compuls | | ory |
|------|---|---|--------------------|
| | Max. Marks: 25+75 Min. Passing Marks: | | cs: |
| | Total No. of Lectures-Tutorials-Praction | cal (in hours per week): L- 4/w | |
| Unit | Topics | 34 | No. of Lectures |
| 1 | Part I | | |
| I | Introduction: Key environmental issues and thinking about these problems, basic concoptimality and market failure in the presence and other approaches. | epts from economics; Pareto | 10 |
| II | The Design and Implementation of Environmental policies in India and internation boundary environmental problems; economics | permits, implementation of nal experience; trans- | 10 |
| III | Environmental Valuation Methods and Applica market goods and servicestheory and practice cost-benefit analysis of environmental policies | e; measurement methods; | 10 |
| IV | Sustainable Development: Concepts; measurement; perspectives from Indian experience. | | 7 |
| | Part II | · | |
| V | The Theory of Externality- Positive & Negative Private Goods; Public Bads; Market Failur Pigouvian Tax.; Coase's Theorem And Prope Eco-Efficiency. | re and Pigouvian Solution- | 8 |
| VI | Social Limits to Growth Model; Green A Valuation- Meaning, Need for Environmen Environmental Valuation; Difficulty in Measu Environmental Damages and Its Valuation. | tal Valuation, Methods of | 10 |



| Book State Co. | | |
|----------------|---|----|
| VII | Indian Constitution and the Environment; Environmental Management- | |
| | Meaning and Concept, Objectives and Goals, Obstacles; Environmental | |
| | Impact Assessment; Environmental Education and Awareness-Dilemma of | 10 |
| | Environmental Ethics and Practical Problems, Environmental | |
| | Education in India. | |
| 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 Issuesand Legislations, Carbon Trading. | 10 |

Suggested Readings:

- Bharucha, Erach : Paryavaran Adhyann, Orient Blackswan.
- Bhattacharya, Rabindra Nath (2002): Environmental Economics An Indian Perspective, Oxford University Press.
- Eugine, T (2005): Environmental Economics, Vrinda publications, Delhi.
- Jhingan, M.L & Sharma, C.K (2009): Environmental Economics Theory Mgt & Policy, Vrinda publications, Delhi.
- Kolstad, Charles. D (2012): Intermediate Environmental Economics, Oxford University Press.
 - 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 3rdYear (Optional)(Theory)

| Program/Class: 1 | Degree | Year: Third | Paper-Third |
|------------------------------|----------------------------------|--------------------------------|--|
| | | Subject: Economics | 100 |
| Course Code: | A080503T | MILL | Course Title: International Economics |
| Course outcome | es: | · · · · | He |
| • Students economic | | nd explain the concept, need | l, significance and scope of international |
| Students | should be familiar with the app | proaches of international trac | de. |
| Students | should be familiar with and are | e able to explain the econom | ic integration at the global level and the |
| formation | n of groups. | | |
| Students | are familiar with the internatio | nal organizations and their o | objectives. Students should be able to analyse |
| | rtance and relevance of these ir | • | |
| | Credits:5 | | Core Compulsory |
| | Max. Marks: 25+75 | | Min. Passing Marks: |
| | Total No. of Lectures | s-Tutorials-Practical (in hou | rs per week): L- 4/w |
| T7 | | Tonios | No. of |
| Unit Topics | | 1 opics | Lectures |
| | | Part 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 |
|--|--|
| 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 |
| 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 |
| 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 | |
| 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 |
| 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 |
| 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 |
| 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 |
| | 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. 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. 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. 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. Part II 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. International Financial Institutions-IMF,WORLD BANK,ADB; GATT, WTO- TRIPS &TRIMS, WTO and India;, UNCTAD, North-South Trade Dialogue, South-South Cooperation; Globalization; FDI. 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. 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 |

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/Presentations/ Research orientation of student

Suggested equivalent online :Swayam

Suggested equivalent online: Swayam

BA 3rd Year, (Project)

| Program/Class: Degree | Year: Third | Project-I | |
|---|-------------|-----------|--|
| Subject: Economics | | | |
| Course Code: A080603R Course Title: Elementary Statistics based Project | | | |

Course Outcome:

- Students to be familiar with the concepts in Statistics.
- The concepts comprehended by the students shall be put to use in practice.
- 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

- 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: Qualify | ing Core Compulsory | l. |
|-------------------|--|--------------------|
| Max. Marks: 25+75 | Min. Passing Marks: | |
| To | otal 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. | |
| п | 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) | |
| ш | 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 | |

Page **15** of **22**



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.
- Lind, Wathen & Marchal (2013): Basic Statistics for Business & Economics, McGraw Hill Education.
- Newbold, Paul (2008): Statistics for Business and Economics, Pearson Education.
- Richard ,<u>I. Levin. H. Siddiqui Masood S. Rubin David Sanjay</u> Rastogi (2017): <u>S</u>tatistics 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.



BA3rd Year

(Theory)

| Program/Class: Degree | Year: Third | Paper-Fourth |
|-----------------------|---|--------------|
| | Subject: Economics | |
| Course Code:A080601T | Course Title: Indian Economy & Economy of Uttar | |
| Pradesh | | Pradesh |

Course Outcome:

- Students should be able familiar with the basic characteristics of Indian economy,
- Students should be able familiar with the it's potential on natural resources of Indian economy and the economy of Uttar Pradesh.
- Students are able to understand the importance, causes and impact of population growth and its distribution, translate and relate them with economic development.
- 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.
- Students should be familiar with the rural development of Uttar Pradesh over the period of time.
- Students should be familiar with the industrial development in India and in Uttar Pradesh.

| | Credits: 5 | Core Compu | lsory |
|------|---|--------------------------------------|--------------------|
| | Max. Marks: 25+75 | Min. Passing M | arks: |
| | Total No. of Lectures-Tutorials-P | ractical (in hours per week): L- 4/w | 3 1 |
| Unit | Topics | | No. of Lectures |
| | Par | t I | 191 |
| I | Structure and Features of Indian Econo Developing Economy. Comparative Deve | | 8 |
| п | Agricultural Sector: Institutional Refo Agriculture, Terms of Trade between A Agricultural Policy, Policies for Sustaina and Agricultural Labour. | griculture and Industry; | 10 |
| Ш | The Industrial Sector: Industrial Policy; Performance, Privatization and Disinve and Large-scale Sector, Industrial L | estment debate, Small, Medium | 10 |
| IV | Planning in India: Objectives and Strategy of Planning; Success story of Indian Plans; Strategy of Inclusive Growth, Resource mobilization for Development. | | 10 |
| | Par | tII | |
| V | Nature, Features, Demographic Profile, Sta Factors affecting growth and development non-economic factors in economic develop | in Uttar Pradesh. Economic and | 10 |
| VI | Sectoral growth pattern in Uttar Prades Pradesh and Indian economy: A compariso of Uttar Pradesh. | n; Infrastructural development | 7 |
| VII | Pattern of land-holding and irrigation; agriculture, Farm mechanization, Crop div Agricultural policy and strategies in Utta Uttar Pradesh. | versification, agricultural credit, | 10 |



| VIII 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). | | Problems and Policies. Major industries in Uttar Pradesh, Pattern of | |
|---|------|--|----|
| Economy. Micro, Small, Medium Enterprises (MSMEs) in Uttar | | Industrial Development in Uttar Pradesh, Industrial Policy in Uttar Pradesh, | |
| Economy. Micro, Small, Medium Enterprises (MSMEs) in Uttar | VIII | Growth pattern of Services sector and Its linkages of other sectors of UP | 10 |
| Pradesh. One Product One District (OPOD). | VIII | Economy. Micro, Small, Medium Enterprises (MSMEs) in Uttar | 10 |
| | | Pradesh. One Product One District (OPOD). | |

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, overnment 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 3rdYear (Optional)(Theory)

| Program/Class: Degree | Year: Third | Paper-Fifth |
|-----------------------|--------------------|--------------------------|
| | Subject: Economics | |
| Course Code: A080602T | Course Title | e: Agriculture Economics |

Course Outcome

- Students should be able to comprehend and explain the approaches to economic development with respect to dualistic development.
- Students should be able to understand and explain the basics of agriculture economics.
- Students should be familiar with labour issues in agriculture sector.
- 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.
- Students should be familiar with the institutional initiates to strengthen the rural and agricultural development to achieve self sufficiency.
- 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.

| Ind | ia and the significance of institutional mechanism | | |
|-------------------|--|---|--------------------|
| Credits: 5 | | Core Compulsory | |
| Max. Marks: 25+75 | | Min. Passing Mark | s: |
| | Total No. of Lectures-Tutorials-Pract | ical (in hours per week): L- 4/w | 3 1 |
| Unit | Topics | 1 | No. of Lectures |
| - 1 | Part I | - P | 1 |
| I | Models of Agricultural Development: Physicomodel, Fei & Ranis Model, Schultz Theory o Jorgenson's Dual Economy Model | | 10 |
| п | Agricultural Production Function, Supply Resp Scale and Productivity. Cobweb Theorems. I Debate; Theoretical And Empirical Findings. India. | Farm Size and Productivity | 10 |
| Ш | Labour in Agriculture- Interlocking of Factor Force in Rural Farm and Non-Farm Sectors. A and Policy. Concept and Measurement of Rur Poverty Alleviation Programmes (in brief-the the Shortcomings). | gricultural Labour- Problem ral Poverty & Employment, | 10 |
| IV | Current Issues in Indian Agriculture- Poverty Agro- Subsidies in India, Subsidy Vs Publi | ic Investment. Export and | 10 |
| | Imports of Agricultural Commodities, Terms of Trade in Indian Agriculture, WTO and Indian Agriculture-Bali Negotiations | | |
| | Part II | | |
| V | Role Of Agriculture in Economic Growth a Backward, Forward Linkage between A Approaches towards Agriculture And Alloc Different Plans in India. Employment Elasti Challenges & Issues Regarding Agricultural A and Productivity in India (With Focus On Post Period. | Agriculture and Industry, cation of Resources under icity in Indian Agriculture, Area Expansion, Production | 10 |
| VI | Land Reforms in India & Its Contemporary Reand the Need for Second Generation, Green Infrastructural Support-Irrigation, Power, Se Support System and Roads in Agricultural Dev | n Revolution, Role of eeds Fertilizers, Marketing | 10 |



| | Role of Credit in Agricultural Development, Institutional & Non- | |
|-------|---|---|
| X777 | Institutional Sources of Credit in India, Cooperative Movement in India (In | 0 |
| VII | Brief). Role of Schedule Commercial Banks, Lead Banks, Regional Rural | ŏ |
| | Banks and NARBAD to Promote Agricultural Development. | |
| | Agricultural Marketing: Meaning and Concept. Structure of Agricultural | |
| | Markets in India, Issues and Challenges in the Marketing of Agricultural | |
| VIII | Products in India (With Focus On The Post Reform Period-Post 1991). | 7 |
| V 111 | Agricultural Diversification: Meaning, Concept & Issues. Crop | , |
| | Diversification: Meaning, Concept and Issues. Farm Incomes and | |
| | Employment in Indian Agriculture. | |

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 Conditionin 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, NewDelhi.
- 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.
- 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 3rdYear (Optional) (Theory)

| Program/Class: Degree Year: Third Paper-Sixth | | Paper-Sixth |
|---|--------------|--------------------------|
| Subject: Economics | | |
| Course Code: A080603T | Course Title | : Elementary Mathematics |

Course Outcome

- Students should be familiar with the basis concepts of mathematics and their application in economics.
- Students are able to comprehend & explain the concepts of straight lines slope etc of mathematics and its application in economics.
- Students should be able to understand basics of differential & its application in economics.
- Students should be able to understand and work with matrices and determine if a given square matrix is invertible.
- Learn about and work with vector spaces and subspaces.
- Students are able to understand and work with the concepts of linear programming & graphic methods.

Core Compulsory

| | Max. Marks: 25+75 | Min. Passing Ma | arks: |
|------|---|--------------------------------------|--------------------|
| | Total No. of Lectures-Tutorials-P | ractical (in hours per week): L- 4/w | 13/1 |
| Unit | Topics | A | No. of Lectures |
| | Par | rt I | |
| I | Basic Concepts: Variables, Sets, Function of Equations | s, Equations, Identities, Systems | 9 |
| п | Application of Straight Line System, Slo Homogeneous Function. | ope of the Line, | 9 |
| III | Role Of Mathematical Techniques In Economic Analysis, Theory of Numbers, Indices and Factorization. | | 9 |
| IV | Progression, Growth Rate, Equilibrium. | | 9 |
| | Par | t II | / |
| V | Basics of Calculus: Rules of Differentiation Minima, | n of a Function; Maxima and | 9 |
| VI | Elasticities; Inter- relationships among Tot and Revenues; Constrained Optimisation P Consumer's and Producer's Surplus | | 10 |
| VII | Matrix and Determinants: Various types of of a Matrix, Crammer's Rule. | Matrices, Determinants, Inverse | 10 |
| VIII | Concept of Linear Programming — Graphi | c Methods. | 10 |

Suggested Readings:

- 1. Agarwal, D.R. (2009): Mathematics for Economics, Vrinda Publications, Delhi. Livernois, John., Rees, Ray., & Hoy, Michael (2012): Mathematics for Economics, PHI Learning.
- 2. Agarwal, D.R. "Prarambhik Ganitiya Arthshastra (Hindi), Vrinda Publications, Delhi.
- 3. Allen, R.G.D (2008): Mathematical Analysis for Economics, AITBS.
- 4. Bhardwaj,R.S(2006):MathematicsforEconomicsandBusiness,ExcelBooks.
- Chiang, A.C & Wainwright, Kevin (2013): Fundamental Methods of Mathematical Economics" McGraw Hill Publication.
- Dowling, Edward. T(2005): Schaum's Easy Outline of Introduction to Mathematical Economics, Tata



Mcgraw HillEducation.

- 7. Madnani, G M K: Mathematics for Economics. Sultan Chand & Sons
- 8. Mishra, J.P. "Ganiteeya Arthshastra", Pratiyogita Sahitya.
- 9. Rosser, Mike (2003): Basic Mathematics for Economists, Routledge.
- 10. Seth, M.L., "Arthshastramei Prarambhik Ganit", Laxmi Narayan Publications, Agra.
- 11. Sharma, J.K(2007): Business Mathematics, Ane Books Pvt. Ltd.
- 12. Yamane, Taro (2007): Mathematics For Economists: An Elementary Survey, PHI Learning

Suggested Continuous Evaluation Methods:

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

Suggested equivalent online:

Swayam

BA3rd Year (Project/Dissertation)

| Program/Class: Degree | Year: Third | Project-II |
|-----------------------|--------------------|------------------------|
| / c/sc | Subject: Economics | 13 |
| Course Code: A080604R | Course Title | : Project/Dissertation |

Course outcomes:

- The objective of introducing Dissertation/Project at the graduation level is to familiarise, aquaint and experience the local issues of economic implication or focued on economic welbeing and behaviour of consumers/citizens.
- It aims at enabling the students to use and apply the learned economic principles vis-a-vis local economic issues.
- To enable them to learn preparation of questionnaire/interview schedule.
- The Template/Format of the Dissertation/Project shall be developed by the resepcteive Department.
- The idea behind this is to develop economic thikning in the students through direct experience to real life.

| Credits: Qualifying | Core Compulsory |
|-----------------------------------|--------------------------------------|
| Cround, Quantifying | Core Company |
| Max. Marks: 25+75 | Min. Passing Marks: |
| Total No. of Lectures-Tutorials-I | Practical (in hours per week): P-2/w |

| | Total No. of Lectures-Tutorials-Practical (in hours per week): P-2/w |
|------|--|
| Unit | Topics |
| | Dissertation Topic on the Local/Current Issues with Economic Focus plusPresentation using Ppt. |
| | Dissertation Report will be prepared using Statistical/Research Techniques .Surveys, |
| I | Questionnaire/interview schedule. Questionnaire/Interview Schedule must be attached with the |
| | report as annexure. |

Suggested Readings:

- Choubey, Varanya (2018): Research Writing: The Structural Challenge of Communicating Knowledge + A Method to Meet it. ISBN-13: 978-1974673162 & ISBN-10: 1974673162
- Greenlaw, Steven A (2005): Doing Economics: A Guide to Understanding and Carrying Out Economic Research, Houghton Mifflin Harcourt (HMH).
- Kothari, C R (2013): Research Methodology. New Age International Publishers.
- Paliwal, Neha & Surendra Khatri (2018): Sodh Pravidhi. National Publishing House. ISBN: 9788180181726, 8180181723
- Pandey Arun & Ganesh Pandey (2009): Sodh Pravidhi. Radha Publication. ISBN-10: 8174873805
- Sharma, Vinay Mohan(2018): Sodh Pravidhi. Mayur Books.
- Thomson, Williams (2011): A Guide for the Young Economists. MIT Press

This course can be opted as an elective by the students of following subjects: Open for all

Suggested Continuous Evaluation Methods:

Fieldwork, Seminar, Presentations, VIVA, Dissertation.

Suggested equivalent online: Swayam