National Education Policy-2020

Common Minimum Syllabus for all U.P. State Universities

B.A. (Economics)

Approved by
Board of Studies
Department of Economics, Faculty of Social Sciences
Mahatma Gandhi Kashi Vidyapith
Varanasi
From Session: 2021-2022

B.A. in Economics

The Course is designed for the students pursuing graduation with Economics at graduation level 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 12 courses in 6 Semesters in 3 years. In the Fifth and the Sixth Semester 01 paper is given as optional. In the Fifth Semester 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 (Regular).

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 applications.
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 conceptual 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. To familiarise students with the contribution of Indian Economic Thinkers and the relevance of their contribution.
PSO 10: Learn the basic concept of monetary analysis and financial marketing in Indian financial markets.
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 environmental 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 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	Environmental Economics, Economic Growth and Development	Theory	5
3	V	A080502T/ A080503T	**Optional Paper(Any 1)** Elementary Statistics Or Demography	Theory	5
3	V	A080504R	Project: Computer Application in Economics	Project	3
3	VI	A080601T	Indian Economy & Economy of Uttar Pradesh	Theory	5
3	VI	A080602T/ A080603T	**Optional Paper(Any 1)** Ethics and Economics Or Elementary Mathematics	Theory	5
3	VI	A080604R	Dissertation/Project On the Local Issues with Economic Focus plus Presentation on Ppt of the Dissertation	Project	3

BA 1st Year, Sem. I
Course I (Theory)

Programme/Class: Certificate/ BA	Year: First	Semester: First
Subject: Economics		
Course Code: A080101T	Course Title: Principle of Micro Economics	

Course Outcome:

- The students is familiarised and aquainted with basic concepts of microeconomics such as laws of demand and supply and elasticity etc so that he/she can comprehend them & familirise 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.
- Understand the role of alternative property rights in resource allocation.
- 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.

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	Introduction: Problem of scarcity and choice: scarcity, choice and opportunity cost; production possibility frontier. The economics of Information: search costs, searching for lowest price, search and advertising; Asymmetric information: the market for lemons and adverse selection; the problem of moral	12

	hazard. 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, income elasticity of demand, cross elasticity of demand, arc and point elasticity, point elasticity and total expenditure, price elasticity of supply.	
II	Consumer Theory: Budget constraint, concept of utility, diminishing marginal utility, Diamond-water paradox, income and substitution effects; consumer choice: indifference curves, Some applications of indifference curves.	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 equlibrium 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
Part II		
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
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;	11

	remedies for monopoly: Antitrust laws, natural monopoly.	
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	International Trade Absolute advantage, comparative advantage, terms of trade, sources of comparative advantage, trade barriers, free trade/ protectionism.	11

Suggested Readings:

1. Salvatore, Dominick (2010): Principles of Microeconomics", Oxford UniversityPress Publications, New Delhi.
2. Dominick Salvatore. Microeconomic Theory. Third Edition, Schaum's Outlines, McGrawHill Education (India) Private Limited
3. Pal, Rajesh (2018): Issues and Concepts of Economics. Adhyayan Publishers and Distributors, New Delhi.
4. Ahuja, H.L(2018): Advanced Economic Theory Microeconomic Analysis", S.Chand & Company.
5. Ahuja,H.L (2012) :Ucchatar Arthik Siddhant", S.Chand & Company, New Delhi..
6. Lal, S.N (2013):Arthshastra Ke Siddhant", Shiva Publishing House, Allahabad.
7. Seth,M.L (2012) : Arthshastra Ke Siddhant",Laxmi Narayan Publications,Agra
8. Lipsey,Richard &Chrystal,Alec (2011) : Economics", Oxford University Press Publications, New Delhi.
9. Pindyck,Robert.S., Rubinfield.Daniel.L., Mehta.Prem.L(2009): Microeconomics", Pear son.
10. Samuelson,Paul.A & Nordhaus, William.D(2010): Economics", Tata McGraw Hill. Koutsoyiannis, A (2008) (2nded): Modern Microeconomics", Macmillan.

11. Stonier,A.W & Hague.Douglas.C (2003)(5thed) : A Text Book of Economic Theory",
Pearson.

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

Suggested Continuous Evaluation Methods:
Assignment / Test / Quiz(MCQ) / Seminar/ Presentations/ Research orientation of students
I Assignment
There will be two questions of five (05) marks each. Evaluation of each question will be based on the following criteria:
      i.   Maximum 2.5 marks is allotted for explanation of the answer.
     ii.   Maximum 2.5 marks is allotted for analysis and presentation.
II Multiple Choice Questions (MCQs)
There will be five (05) multiple choice questions carrying one (01) mark each. Each MCQ must have four options to answer.
III Attendance
Maximum marks under this criterion is five (05). Students having more than or equal to 75 per cent attendance will be entitled for five marks.
IV
Overall Performance
Maximum marks under this criterion is five (05). This criterion comprises behaviour, discipline and participation of students in the Department and University campus.

Suggested equivalent online :
Swayam
Coursera

BA 1ˢᵗ Year, Sem.II
Course
(Theory)

Program/Class: Certificate/BA	Year: First	Semester: Second
Subject: Economics		
Course Code: A080201T	Course Title: Macro Economics	

Course Learning Outcomes
- Explains national income, calculation methods of national income, and concepts related to national income.
- Relates factors determine national income such as consumption, saving and investment.
- Interprets macroeconomic issues such as money, foreign exchange, inflation,unemployment, economic growth, and foreign trade.
- Identify types of banks, explain the meaning and function of commercial banks.
- illustrate how banks create credit, and suggest the instruments to control credit.
- 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 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	**Part I** Introduction: What is macroeconomics? Major macroeconomic schools: The Classical School, The Keynesian School, The Monetarists School, The supply side School, The Rational Expectations School	12
II	National Income Accounting: Concepts of GDP and National Income; measurement of national income and related	12

	aggregates; nominal and real income; limitations of the GDP concept.	
III	Determination of GDP: Actual and potential GDP; aggregate expenditure; consumption function; investment function; equilibrium GDP; concepts of MPS, APS, MPC, APC; autonomous expenditure; Concept of multiplier.	11
IV	National Income Determination in an Open Economy with Government: Fiscal Policy: impact of changes in government expenditure and taxes; net exports function; net exports and equilibrium national income. Money in a Modern Economy Concept of money in a modern economy; monetary aggregates; demand for money; quantity theory of money; liquidity preference and rate of interest; money supply and credit creation; monetary policy.	11
Part II		
V	IS-LM Analysis: Derivations of the IS and LM functions; IS-LM and aggregate demand; shifts in the AD curve.	11
VI	GDP and Price Level in Short Run and Long Run: Aggregate demand and aggregate supply; multiplier Analysis with AD curve and changes in price levels; aggregate supply in the SR and LR.	11
VII	Inflation and Unemployment Concept of inflation; determinants of inflation; relationship between inflation and unemployment: Phillips Curve in short run and long run.	11
VIII	Balance of Payments and Exchange Rate: Balance of payments: current account and capital account; Measurements to correct deficit in the balance of payments: Price adjustment mechanism and Income adjustment mechanism. Market for foreign exchange; determination of exchange rate.	11

Suggested Readings:
1. Ahuja,H.L (2012) : Macroeconomics: Theory and Policy , S.Chand&Company, New Delhi.
2. Pal, Rajesh (2018): Issues and Concepts of Economics. Adhyayan Publishers and Distributors, New Delhi.
3. Ahuja,H.L (2012) : SamastiArthshastra , S.Chand&Company, New Delhi.
4. Lal,S.N (2012) : SamastibhaviVisleshan , Shiva Publishing House,Allahabad.
5. 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.
10. Jhingan, M.L (2012) :SamastiArthshastra , Vrinda Publications, New Delhi.
11. Shapiro, Edward (2005): Macroeconomic Analysis, Galgotia Publications, New Delhi.
12. Sikdar,Saumyen (2011) : Principles of Macroeconomics , Oxford University Press, New Delhi.
13. 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

I Assignment

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      i.   Maximum 2.5 marks is allotted for explanation of the answer.
      ii.   Maximum 2.5 marks is allotted for analysis and presentation.

II Multiple Choice Questions (MCQs)

There will be five (05) multiple choice questions carrying one (01) mark each. Each MCQ must have four options to answer.

III Attendance

Maximum marks under this criterion is five (05). Students having more than or equal to 75 per cent attendance will be entitled for five marks.

IV

Overall Performance

Maximum marks under this criterion is five (05). This criterion comprises behaviour, discipline and participation of students in the Department and University campus.

Course prerequisites: 12th Standard Passed with sciences or arts/Open to all

Suggested equivalent online :
Swayam
Coursera

BA 2ndYear, Sem.III

Course I(Theory)

Programme/Class: Diploma/BA	Year: Second	Semester: Third
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

	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	Kautilya, Valluvar, Dada Bhai Naoroji, RC Dutt, BR Ambedkar, R M Lohia, Gandhian Economics			12
II	Pt. Deen Dayal Upadhyay, JK Mehta, A K Sen, J. Bhagwati, A.K Mathur,			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
	Part II			
V	Classical Period: Adam Smith - Division of Labour, Theory of Value, Capital Accumulation, Distribution, Views on Trade, Economic Progress; David Ricardo - Value, Theory of Rent, Stationary State, Distribution, Ideas on International Trade; Thomas R. Malthus - Theory of Population, 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: Role of Entrepreneur and Innovations.			11
VIII	Marginalists: The Precursors of Marginalism ,Cournot , Gossen — The Marginalist Revolution: Jevons, Walras and Menger - Bohm-Bawark, Wicksell and Fisher: Quantity Theory of Money ;Economic Ideas of Wicksteed and Weiser.			11

Suggested Readings:

01 Bhatia,H.L : History of Economic Thought ,Vikash Publishing House.
02 Blackhouse,R (1985) : A History of Modern Economic Analysis, Basil Blackwell, Oxford.
03 Ganguli, B.N(1977) : Indian Economic Thought : A 19th Century Perspective, Tata Mcgraw Hill.
04 Hajela,T.N (2011) : Aarthik Vicharon Ka Itihas , Ane Books.
05 Hajela,T.N (2011) : History Of Economic Thought , Ane Books.
06 Hunt,E.K &Lautzenheiser,Mark (2011) : History of Economic Thought: A Critical Perspective , Phi Learning.
07 Jhingan, M.L (2008): Aarthik Vicharon Ka Itihas , Vrinda Publications, New Delhi.
08 Kautilya (1992), The Arthashastra, Translated And Introduced By L.N.Rangarajan, Penguin Books.
09 Loknathan,V (2009) : History of Economic Thought , S.Chand & Company.
10 Roll,Eric : History of Economic Thaught, Faber.
11 Schumpeter, J.A(1954): History of 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

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

Suggested Continuous Evaluation Methods:

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

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Overall Performance

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Suggested equivalent online :

Swayam

Coursera

Program/Class: Diploma /BA	Year: Second	Semester: Fourth
Subject: Economics		
Course Code: A080401T	Course Title: Money, Banking and Public Finance	

- 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:40
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w	

Unit	Topics	No. of Lectures
	Part I	
I	Money: Concept, functions, measurement; theories of money supply determination.	12
II	Financial Institutions, Markets, Instruments and Financial Innovations a. Role of financial markets and institutions; problem of asymmetric information – adverse selection and moral hazard; financial crises. b. Money and capital markets: organization, structure and reforms in India; role of financial derivatives and other innovations.	12

III	Interest Rates Determination; sources of interest rate differentials; theories of term structure of interest rates; interest rates in India.	11
IV	Banking System a. Balance sheet and portfolio management. b. Indian banking system: Changing role and structure; banking sector reforms. c.Central Banking and Monetary Policy Functions, balance sheet; goals, targets, indicators and instruments of monetary control; monetary management in an open economy; current monetary policy of India.	11
	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

Suggested Readings:
1. Gupta,S.B (2009) : Monetary Economics-Institutions, Theory & Policy , S.Chand & Company, New Delhi.
2. Pal, Rajesh (2018): Issues and Concepts of Economics. Adhyayan Publishers and Distributors, New Delhi.
3. Jhingan ,M.L (2012) : Monetary Economics , Vrinda Publications,NewDelhi.
4. Lal,S.N (2012) : Mudra,Banking Avam Videshi Vinimay , Shiva Publishing House,Allahabad.
5. Jhingan,M.L (2012) : Maudrik Arthshastra , Vrinda Publications, New Delhi.
   Seth. M.L (2012) : Maudrik Arthshastra , Laxmi Narayan Publications,Agra.
6. Khanna, Perminder (2005): Advanced Study in Money and Banking: Theory and Policy Relevance in The Indian Economy , Atlantic.
7. Nadar,E.Narayanan (2013) : Money and Banking , PHI Learning Press.
8. Paul, R.R (2011): Money, Banking & Exchange , Kalyani Publishers, Delhi.
9. Uppal, R.K (2011): Money, Banking and Finance in India- Evolution & Present Structure New Century Publications.
10. Bagchi,Amaresh (2005) : Readings in Public Finance, Oxford University Press.
11. Cullis,John & Jones Philip (2009) : Public Finance and Public Choice, Oxford University Press.
12. Due,John.F, Friedlaender, Ann. F (2002) : Government Finance, Economics Of The Public Sector, Aitbs Publishers & Distributors.
13. Gupta, Janak Raj (2011): Public Economics in India Theory and Practice, Atlantic.
14. Head, J.C (1974): Public Goods and Public Welfare, Durham, NC, Duke University Press.
15. Inge Kaul, Pedro Conceicao (2006): The New Public Finance, Oxford University Press.
16. Johansen,Life (1965) :Public Economics, Chicago: Rand Mcnally.
17. Margolis,J & Guitton,H : Public Economics (1974), Mcmiillan.
18. Musgrave,R.A & P.B. Musgrave (1989) : Public Theory: Theory & Practice, Mcgraw Hill.
19. Musgrave,R.A (1959) , The Theory Of Public Finance, McGraw Hill.
20. Shome Parthasarathi (2002): India's Fiscal Matters, Oxford University Press, New Delhi.

Suggested Continuous Evaluation Methods:
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Suggested equivalent online :
Swayam
Coursera

BA 3rd Year, Sem.V
Course I(Theory)

Programme/Class: Degree/BA		Year: Third	Semester: Fifth
Subject: Economics			
Course Code: A080501T	Course Title: Environmental Economics, Economic Growth and Development		

Course outcomes

- Basic concepts of ecology environment and economy
- Public good, Market failure, externalities and internalization of externalities
- Solution to environmental problems- the command and control approach, market based methods, tax tradable pollution permit, etc, carbon trading
- Sustainable development, environmental impact assessment CO 5: Global and local environmental concerns.
- It will be focussed on Local Issues of Economic Bearing.
- Realize the importance and influence of environment on the economy including the quality of manpower.
- Arouse their feelings to make cleaner environment so as to achieve harmonious development.
- Understand that environmental problem is not the problem of a single country or region but a global problem/issue.
- To understand specific contributions on themes of economic analysis and concerning figures of economists still important in the international economic debate at the international level, through selected readings of their texts and linking the different positions of economic thought to philosophical foundations and political implications. Demonstrate theoretical and empirical analysis of economic growth process.
- Demonstrate an understanding of economic growth theory, development and policy implications.
- Demonstrate an awareness of economic growth problems, issues in globalisation,and provide grounding in major growth strategies and development.
- Apply empirical analysis of growth models to developing countries and/or regions, and draw appropriate policy recommendations"

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	Introduction: Key environmental issues and problems, economic wayof thinking about these problems, basic concepts from economics;	9

	Pareto optimality and market failure in the presence of externalities;	

	property rights and other approaches.	
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; transboundary environmental problems; economics of climate change	9
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.	9
IV	Sustainable Development: Concepts; measurement; perspectives fromIndian experience.	9
Part II		
V	Meaning and Measurement of Economic Growth and Development- Measuring Development and Development Gap, GDP, GNP, Per Capita Income, Factors affecting Economic growth and Development.	9
VI	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.	10
VII	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
VIII	International aspects of economic development; International trade, FDI, FII, Regional cooperation (SAPTA, NAFTA, SAARC, BRICS etc.) , WTO and developing countries	10

Suggested Readings:
1. Avasthi, N.M : Paryavaraniya Adhyan, Laxmi Narayan Agarwal,Agra.
2. Pal, Rajesh (2018): Issues and Concepts of Economics. Adhyayan Publishers and Distributors, New Delhi.
3. Bharucha, Erach : Paryavaran Adhyann, Orient Blackswan.
4. Bhattacharya, Rabindra Nath (2002): Environmental Economics – An Indian Perspective,Oxford UniversityPress.
5. Eugine,T (2005) : Environmental Economics, Vrinda publications, Delhi.
6. Jhingan,M.L & Sharma,C.K (2009) : Environmental Economics Theory Mgt

&Policy,Vrinda publications, Delhi.

7. Kolstad, Charles. D (2012): Intermediate Environmental Economics, Oxford University Press.

7. Nagre,Vijay.H (2012) : Environmental Economics, Chandralok Prakashan.
8. Singh, Kartar & Shishodia (2007): Environmental Economics: Theory and Applications, SageIndia.
9. Singh, S.R(2012): Environmental Economics, APHPublishing Corporation, Delhi.
10. Smith, Stephen (2011): Environmental Economics: A Very Short Introduction, OxfordUniversity Press.
11. Tripathi, Daya Shanker : Paryaavaran Addhyayan, Motilal Banarasidass Pvt Ltd.
12. Barro, Robert J and Xavier Sala-i- Martin, Economic Growth, The MIT Press, Cambridge, Latest Edition.
13. Basu, Kaushik (2010): Analytical Development Economics: The Less Developed Economy, Oxford University Press.
14. Basu, Kaushik, Issues in Economic Theory, part I and II, Oxford University Press, 2010
15. Dasgupta, Dipankar: Growth Theory, Oxford University Press, 2007
16. Ghatak, S., An Introduction to Development Economics. Allen and Unwin London, latest edition.
17. Hayami, Y., Development Economics, Oxford University Press, New York, 2010 (5th Impression)
18. Hayami,Yujiro & Godo,Yoshihisa (2005) : Development Economics: From the Poverty to the Wealth of Nations, Oxford University Press.
19. Hendrik Van Den Berg, Economic Growth and Development, McGraw-Hill International Edition, 2005
20. Jhingan ,M.L (2013): Economics of Development and Planning, Vrinda Publications, NewDelhi.
21. Jhingan ,M.L (2013): Vikas Ka Arthshastra Awam Niyojan, Vrinda Publications, NewDelhi.
22. Lal ,S.N (2012):Vikas, Niyojan Awam Paryavaran, Shiva Publishing House,Allahabad.
23. Lekhi, R.K (2013): Economics of Development and Planning, Kalyani Publishers, New Delhi.
24. Mankiw, G, Macroeconomics: Theory and Practices, Harvard Publication (Latest Impression)
25. Meier, G.M., Leading Issues in Economics Development, Oxford University Press, New Delhi, Latest edition.
26. Mishra,S.K & Puri,V.K (2012): Economics of Development and Planning, Himalaya Publishers, Mumbai.
27. Ray Debraj, Development Economics, Oxford University Press, Latest Edition.
28. Somashekar, NT: Developmental Economics, New Age Publication (Latest edition)
29. Taneja,M.L & Myer,R.M (2011): Arthshastra Ki Yojnaye Awam Vistaar, Vishal PublishingCompany,Jalandhar (New Delhi).
30. Thirlwall, A.P., Growth and Development with Special Reference to Developing Economies, Macmillan, UK, 1999.
31. Todaro,Michael.P & Smith,Stephen.C (2011) : Economic Development, Pearson

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

Suggested Continuous Evaluation Methods:

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

I Assignment

There will be two questions of five (05) marks each. Evaluation of each question will be based on the following criteria:

      i.   Maximum 2.5 marks is allotted for explanation of the answer.

      ii.   Maximum 2.5 marks is allotted for analysis and presentation.

II Multiple Choice Questions (MCQs)

There will be five (05) multiple choice questions carrying one (01) mark each. Each MCQ must have four options to answer.

III Attendance

Maximum marks under this criterion is five (05). Students having more than or equal to 75 per cent attendance will be entitled for five marks.

IV

Overall Performance

Maximum marks under this criterion is five (05). This criterion comprises behaviour, discipline and participation of students in the Department and University campus.

Suggested equivalent online :

Swayam

Coursera

BA 3rdYear,Sem.V,Course II
(Optional)(Theory)

Program/Class: Degree /BA		Year: Third	Semester: Fifth
Subject: Economics			
Course Code: A080502T		Course Title: **Elementary Statistics**	
Course outcomes			

Course outcomes
- Demonstrate the role of quantitative techniques in the field of business/industry.
- Illustrate different types of equations, solve equations and system of equations, understand the concept of sets.
- Illustrate and apply basic set operations.
- If taken by the student then he can appply the basic concept learned in this paper to qualitatively enhance Dissertation/Project.

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
I	Introduction to Basic Concepts in Statistics: Population, Sample, Parameter, Data-Meaning & types. Questionnaire, Schedule & Interview Schedule (meaning, concept & types)	9
II	Frequency Distribution, Cumulative frequency; Graphic and Diagrammatic representation of data.	9
III	Measures of Central Tendency - Mean, Median, Mode, Geometric mean and Harmonic mean. (Meaning, concept, properties & methods of measurement-in brief)	9
IV	Measure of Dispersion: Range, Mean Deviation, Standard deviation, Coefficient of Variation, Quartile deviation. Skewness and Kurtosis (Meaning, concept, properties & methods of measurement-in brief)	9
V	Correlation: Meaning, Concept, Types & Properties Methods of measurement of Correlation: Karl Pearson and Spearman. Coefficient of Correlation	9
VI	Regression: Meaning and Concept. Least squares method, Interpretation of Regression	10

| VII | Series: Concept, Meaning & Components - Determination of Regular, Trend and Seasonal Indices. | 10 |

VIII	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 Adequacyof Index Number Formulae (in brief)	10

Suggested Readings:

1. Elhance,D.L (2010) : Sankhiki Ke Siddhant (Hindi), Kitab Mahal.

2. Gupta S C (2018) Fundamentals of Statisitics Himalaya Publishing House

3. Gupta,S.P (2011) : Statistical Methods, Sultan Chand & Sons, Delhi.

4. Hazarika, Padmalochan (2006): Essential Statistics for Economics and Commerce , Akansha PublishingHouse.

Suggested Continuous Evaluation Methods:
Assignment / test / Quiz(MCQ) / Seminar/Presenatations/ Research orientation of students

I Assignment

There will be two questions of five (05) marks each. Evaluation of each question will be based on the following criteria:

      i.   Maximum 2.5 marks is allotted for explanation of the answer.

      ii.   Maximum 2.5 marks is allotted for analysis and presentation.

II Multiple Choice Questions (MCQs)

There will be five (05) multiple choice questions carrying one (01) mark each. Each MCQ must have four options to answer.

III Attendance

Maximum marks under this criterion is five (05). Students having more than or equal to 75 per cent attendance will be entitled for five marks.

IV

Overall Performance

Maximum marks under this criterion is five (05). This criterion comprises behaviour, discipline and participation of students in the Department and University campus.

Suggested equivalent online :
Swayam
Coursera

BA 3rdYear,Sem.V

Course III(Optional)
(Theory)

Program/Class: Degree /BA		Year: Third	Semester: Fifth
Subject: Economics			
Course Code: A080503T		Course Title: Demography	
Course outcomes • To orient the students with the positive aspects of population and how it can help in the Economic Development of the nation • To orient the students with various Quantitative and qualitative aspects of population and various demographic Techniques. • To expose the students to recent concepts and developments in Demography.			
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**

I	Meaning and Scope of Demography, Components of Population Growth, Measures of Population Change, Demography, Data, Population and Developments.		9
II	Fertility -Concepts and Measures, Factors affecting Fertility		9

III	Mortality-Concepts and Measures, Factors affecting Mortality. Life- Table, Population projection	9
IV	Malthusian Theory of Population, Optimum Theory	9
V	Theory of Demographic Transition Views of Meadows and Enke.	9
VI	Migration Meaning. Types and Measurement, Causesand Effects of Internal and International Migration,	10
VII	Urbanisation- Cause of Effect.	10
VIII	Population policy in India, Strategy of Family Planning, Population and Strategies for Human Development. Population and Environment.	10

Suggested Readings:
  1.Jhingan,Bhatt& Desai :Demography, Vrinda Publication
  1. Mishra J.P. :Janankiki , Sahitya Bhawan Publication
  2. Majumdar, P.K. : India's Demography Changing Demographic scenario in India.
  3. Datt &Sundram :Indian Economy, S.Chand Publication

Suggested Continuous Evaluation Methods:
Assignment / test / Quiz(MCQ) / Seminar/Presenatations/ Research orientation of students
  I Assignment
  There will be two questions of five (05) marks each. Evaluation of each question will be based on the following criteria:
       i.   Maximum 2.5 marks is allotted for explanation of the answer.
      ii.   Maximum 2.5 marks is allotted for analysis and presentation.
  II Multiple Choice Questions (MCQs)
  There will be five (05) multiple choice questions carrying one (01) mark each. Each MCQ must have four options to answer.
  III Attendance
  Maximum marks under this criterion is five (05). Students having more than or equal to 75 per cent attendance will be entitled for five marks.
  IV
  Overall Performance
  Maximum marks under this criterion is five (05). This criterion comprises behaviour, discipline and participation of students in the Department and University campus.

Suggested equivalent online :
Swayam
Coursera

Programme/Class: Degree/BA	Year: Third	Semester: Fifth
Subject: Economics		
Course Code: A080504R	Course Title: Computer Application in Economics	
•		
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	The project has to be developed using Computer Application in Economics with special reference to Rural Development	45

Suggested Readings:
.
1. Research Methodology By C R Kothari
2. Dr Vinay Mohan Sharma , Sodh Pravidhi
3. Dr Neha Paliwal Surendra Khatri , Sodh Pravidhi

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

Suggested Continuous Evaluation Methods:
Seminar, Presentations, VIVA, Practical file.

I Assignment: Practical file
There will be two questions of five (05) marks each. Evaluation of each question will be based on the following criteria:

    i.   Maximum 2.5 marks is allotted for explanation of the answer.
    ii.   Maximum 2.5 marks is allotted for analysis and presentation.

II Viva Voce
Maximum marks under this criterion is five (05).Under this criterion viva voce is based on the practical file.

III Attendance
Maximum marks under this criterion is five (05). Students having more than or equal to 75 per cent attendance will be entitled for five marks.

IV

Overall Performance
Maximum marks under this criterion is five (05). This criterion comprises behaviour, discipline and participation of students in the Department and University campus.

Suggested equivalent online :
Swayam
Coursera

BA3rd 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	

Course Outcome

- Develop ideas of the basic characteristics of Indian economy,
- **I**ts potential on natural resources.
- Understand the importance, causes and impact of population growth and its distribution, translate and relate them with economic development.
- Natural resource, population, urbanization and occupational distribution of Uttar Pradesh
- Agriculture sector of Assam CO 3:
  Industrial sector of Assam
- Infrastructure of Assam including social infrastructure
- Human resource development, unemployment, immigration, flood and erosion, problems of agriculture labourers, border area 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**
I	Structure and Features of Indian Economy: Indian economy as a Developing Economy. Comparative Development of Indian States.	9
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.	9
III	The Industrial Sector: Industrial Policy; Public Sector Enterprises and their Performance, Privatization and Disinvestment debate, Small, Medium and Large-scale Sector, IndustrialLabour, trade Union Movement.	9
IV	Planning in India: Objectives and Strategy of Planning; Success story of Indian Plans; Strategy of Inclusive Growth, Resource mobilization for Development.	9
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.	9
VI	Sectoral growth pattern of in Uttar Pradesh; Economic growth in Uttar Pradesh and Indian economy: A comparison; Infrastructural development of Uttar Pradesh.	10
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	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. One Product One District (OPOD)	10

Suggested Readings:

1. Annual Financial Statement (Budget)various years & Latest published by the Government of India.
2. Economic Surveys, Government of India (Hindi/English)
3. Indian Economy by Mishra & Puri. Himalaya Publishing House (Hindi /English)
4. Indian Economy by Uma Kapila, Academic Foundation

5. Indian Economy. Rudra Dutt & Sunderam. S. Chand & Company (Hindi /English)
6. Agarwal,,M K (2009): Uttar Pradesh ka Arthik Vikas. New Royal Book Company
7. Annual Financial Statement (Budget) of the Government of Uttar Pradesh published in different years & the latest.
8. Mishra, Arvind Narayan & Atul Chandra (2018):The Economy of Uttar Pradesh. GutenbergPublication ISBN: 9789386240224, 9789386240224
9. Publications of the Government of Uttar Pradesh.
10. Uttar Pradesh Human Development Report, UNDP, 2008.
11. Uttar Pradesh State Development Report, Volume I & II, State Plan Division, PlanningCommission, Government of India, 2014.
12. Agarwal,,M K (2009): Uttar Pradesh ka Arthik Vikas. New Royal Book Company
13. Annual Financial Statement (Budget) of the Government of Uttar Pradesh published in different years & the latest.
14. Mishra, Arvind Narayan & Atul Chandra (2018):The Economy of Uttar Pradesh. GutenbergPublication ISBN: 9789386240224, 9789386240224
15. Publications of the Government of Uttar Pradesh.
16. Uttar Pradesh Human Development Report, UNDP, 2008.
17. Uttar Pradesh State Development Report, Volume I & II, State Plan Division, PlanningCommission, Government of India, 2014.

Suggested Continuous Evaluation Methods:
Assignment / test / Quiz(MCQ) / Seminar/ Presentations/ Research orientation of students
I Assignment
There will be two questions of five (05) marks each. Evaluation of each question will be based on the following criteria:
  i.   Maximum 2.5 marks is allotted for explanation of the answer.
  ii. Maximum 2.5 marks is allotted for analysis and presentation.
II Multiple Choice Questions (MCQs)
There will be five (05) multiple choice questions carrying one (01) mark each. Each MCQ must have four options to answer.
III Attendance
Maximum marks under this criterion is five (05). Students having more than or equal to 75 per cent attendance will be entitled for five marks.
IV
Overall Performance
Maximum marks under this criterion is five (05). This criterion comprises behaviour, discipline and participation of students in the Department and University campus.

Suggested equivalent online :
Swayam
Coursera

Course II(Optional)
(Theory)

Program/Class: Degree /BA	Year: Third	Semester: Sixth
Subject: Economics		
Course Code: A080602T	Course Title: Ethics and Economics	
Course Outcome • To help the students to recognize legal and ethical issues when making business decisions. • To gain an enhanced understanding of following ethical rules and ethical constraints. • To improve analytical problem solving and ethical decision making skills. • Have a good command of the conceptual vocabulary of policy-making and policy-analysis. • Distinguish between ethical, economic and political dimensions of public policy.		
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
I	Introduction to Ethics, importance of Ethics to Economics	9
II	Overview of Ethical idea of Indian and Western Philosophers: Deendayal Dayal Upadhyay, Kant, Bentham.	9
III	Doctrine of Equality, Theories of Justice: Plato Aristotle, Rawls.	9
IV	Economic Importance of Morality, Self interest and Greed, Morality and Economic Rationality Economic Behaviour	9
V	Adaptive Preference, Market and Ethical Standards, Economics of Uncertainty: Asymmetric Information and Moral hazards, Business and Social Responsibility	9
VI	Self Interest vs. Social Goods. Efficiency and Ethical Concept: Allocative Efficiency.	10
VII	Markets and Welfare: Pareto Principle.	10
VIII	Measurement of Standard of Living and Quality of life . Gross National Happiness Index. Ethics and Good Governance: "Achieving Happiness".	10

Suggested Readings:
1. Backerman, Wilfred (2011): Economics as Applied Ethics: Value Judgements in Welfare Economics, Palgrave MacMillan.
2. Dutt. Amitava Krishna & Wiber, Charles.K (2013): Economics and Ethics: An Introduction, Palgrave MacMillan.
3. Graafland, Johan.J (2009): Economics, Ethics and the Market: Introduction and Applications, Routledge.
4. Hirata, Johannes(2011), Happiness, Ethics and Economics, Routledge Canada an USA
5. Rawls, John (1971): Theory Of Justice, Harward University Press.
6. Roemer, John (1982): Free To Lose, Harward University Press
7. Samuelson, Paul.A & Nordhaus, WilliamD.(2012) Tata McGraw Hill Education Private Limited, New Delhi.
8. Sen, A.K&Williams,B(1982): Utilitarianism And Beyond, Cambridge University Press.
9. Sen,Amartya (1997) : Inequality Re-examined, Oxford UniversityPress.
10. Sen,Amartya (1999) : Choice Welfare and Measurement, Oxford UniversityPress.
11. Sen,Amartya (1999): AarthikVikasAurSwatantra (Hindi), Neha Publishers & Distributors.
12. Sen,Amartya (2001) : Development as Freedom, Oxford University Press.
13. Sen,Amartya (2001) : On Economic Inequality, Oxford University Press.
14. Sen,Amartya (2001) : On Ethics And Economics, Oxford University Press.
15. Sen,Amartya (2010) : The Idea of Justice, Penguin.
16. Teaching the Ethical Foundations in Economics; National Council on Economic Education, New York
17. Williams roan & Elliott Larry (2010), Crisis And Recovery Ethics Economics and Justice, Palgrave Macmillian.

Suggested Continuous Evaluation Methods:
Assignment / test / Quiz(MCQ) / Seminar/ Presentation/ Research orientation of students
I Assignment
There will be two questions of five (05) marks each. Evaluation of each question will be based on the following criteria:
     i.   Maximum 2.5 marks is allotted for explanation of the answer.

ii. Maximum 2.5 marks is allotted for analysis and presentation.
II Multiple Choice Questions (MCQs) There will be five (05) multiple choice questions carrying one (01) mark each. Each MCQ must have four options to answer. **III Attendance** Maximum marks under this criterion is five (05). Students having more than or equal to 75 per cent attendance will be entitled for five marks. **IV** **Overall Performance** Maximum marks under this criterion is five (05). This criterion comprises behaviour, discipline and participation of students in the Department and University campus.
Suggested equivalent online : Swayam Coursera

BA 3rdYear, 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
- Work with matrices and determine if a given square matrix is invertible.
- Learn to solve systems of linear equations and application problems requiring them.
- Learn to compute determinants and know their properties.
- Learn to find and use values of a matrix in economics.
- Learn about and work with vector spaces and subspaces.

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**
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
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
VII	Matrix and Determinants: Various types of Matrices, Determinants, Inverse of a Matrix, Crammer's Rule.	10
VIII	Concept of Linear Programming — Graphic Method.	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. Mishra,J.P. "Ganiteeya Arthshastra", Pratiyogita Sahitya.
3. Allen,R.G.D (2008) : Mathematical Analysis for Economics , AITBS.
4. Bhardwaj,R.S(2006): Mathematicsfor EconomicsandBusiness, Excel Books.
5. Chiang,A.C & Wainwright,Kevin (2013) : Fundamental Methods of Mathematical Economics" McGraw Hill Publication.
6. Dowling,Edward.T(2005):Schaum'sEasyOutlineofIntroductiontoMathematical Economics , Tata Mcgraw HillEducation.
7. **Madnani, G M K : Mathematics for Economics. Sultan Chand & Sons**
8. Rosser,Mike (2003) : Basic Mathematics for Economists , Routledge.
9. Seth,M.L.," Arthshastramei Prarambhik Ganit",Laxmi Narayan Publications,Agra.
10. Sharma,J.K (2007) : Business Mathematics , Ane Books Pvt.Ltd.
11. 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

I Assignment

There will be two questions of five (05) marks each. Evaluation of each question will be based on the following criteria:

      i.   Maximum 2.5 marks is allotted for explanation of the answer.

     ii.   Maximum 2.5 marks is allotted for analysis and presentation.

II Multiple Choice Questions (MCQs)

There will be five (05) multiple choice questions carrying one (01) mark each. Each MCQ must have four options to answer.

III Attendance

Maximum marks under this criterion is five (05). Students having more than or equal to 75 per cent attendance will be entitled for five marks.

IV

Overall Performance

Maximum marks under this criterion is five (05). This criterion comprises behaviour, discipline and participation of students in the Department and University campus.

Suggested equivalent online :

Swayam

Coursera

BA 3rd Year, Sem. VI,
Course IV
(Project/ Dissertation)

Program/Class: Degree/BA	Year: Third	Semester: Sixth
Subject: Economics		
Course Code: A080604R	Course Title**: Project/Dissertation**	

Course outcomes	
- 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. - 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 respective Department. - The idea behind this is to develop economic thinking in the students through direct experience to real life.	
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**

		Dissertation Topic on the Local/Current Issues with Economic Focus plus Presentation using Ppt.	
I		Dissertation Report will be prepared using Research Techniques . Surveys , questionnaire/interview schedule, etc. should be attached	45

Suggested Readings:

.
1. Research Methodology By C R Kothari
2. Dr Vinay Mohan Sharma , Sodh Pravidhi
3. Dr Neha Paliwal Surendra Khatri , Sodh Pravidhi

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.
I Assignment: Dissertation
There will be two questions of five (05) marks each. Evaluation of each question will be based on the following criteria:

  i. Maximum 2.5 marks is allotted for explanation of the answer.
  ii. Maximum 2.5 marks is allotted for analysis and presentation.

II Viva Voce
Maximum marks under this criterion is five (05).Under this criterion viva voce is based on the Dissertation.
III Attendance
Maximum marks under this criterion is five (05). Students having more than or equal to 75 per cent attendance will be entitled for five marks.
IV
Overall Performance
Maximum marks under this criterion is five (05). This criterion comprises behaviour, discipline and participation of students in the Department and University campus

Suggested equivalent online :
Swayam
Coursera

Format of Dissertation

B.A. III Year, Semester VI
Course IV Project/Dissertation

Title of the Dissertation
A Dissertation Presented in Partial Fulfilmentof the Requirements for the Degree of B.A. III
Year Semester VI

Name of Student   Name of Supervisor

Registration/Roll Number   Designation

Department of Economics
Mahatma Gandhi Kashi Vidyapith
Varanasi

Year

Approved By

Acknowledgements

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National Education Policy-2020
Continuous Evaluation Methods for 25 marks
B.A. (Economics) Department of Economics,
Faculty of Social Sciences
Mahatma Gandhi Kashi Vidyapith Varanasi
From Session: 2021-2022

Continuous Evaluation Methods for 25 marks is based on the following criteria except B.A. III Year, Semester V Course IV Project and B.A. III Year Semester VI, Course IV, Project/Dissertation

I Assignment
There will be two questions of five (05) marks each. Evaluation of each question will be based on the following criteria:
  iii. Maximum 2.5 marks is allotted for explanation of the answer.
  iv. Maximum 2.5 marks is allotted for analysis and presentation.

II Multiple Choice Questions (MCQs)
There will be five (05) multiple choice questions carrying one (01) mark each. Each MCQ must have four options to answer.

III Attendance
Maximum marks under this criterion is five (05). Students having more than or equal to 75 per cent attendance will be entitled for five marks.

IV
Overall Performance
Maximum marks under this criterion is five (05). This criterion comprises behaviour, discipline and participation of students in the Department and University campus.

Continuous Evaluation Methods for 25 marks for B.A. III Year, Semester V Course IV Project and B.A. III Year Semester VI, Course IV, Project/Dissertation is based on the following criteria

B.A. III Year, Semester V
Course IV Project

Continuous Evaluation Methods for 25 marks:
Seminar, Presentations, VIVA, Practical file.

I Assignment: Practical file
There will be two questions of five (05) marks each. Evaluation of each question will be based on the following criteria:
  iii. Maximum 2.5 marks is allotted for explanation of the answer.
  iv. Maximum 2.5 marks is allotted for analysis and presentation.

II Viva Voce
Maximum marks under this criterion is five (05).Under this criterion viva voce is based on the practical file.

III Attendance
Maximum marks under this criterion is five (05). Students having more than or equal to 75 per cent attendance will be entitled for five marks.

IV
Overall Performance
Maximum marks under this criterion is five (05). This criterion comprises behaviour, discipline and participation of students in the Department and University campus

<center>**B.A. III Year, Semester VI**
Course IV Project/Dissertation</center>

Continuous Evaluation Methods for 25 marks:

Field work, Seminar, Presentations, VIVA, Dissertation

I Assignment: Dissertation

There will be two questions of five (05) marks each. Evaluation of each question will be based on the following criteria:

iii.   Maximum 2.5 marks is allotted for explanation of the answer.

iv.   Maximum 2.5 marks is allotted for analysis and presentation.

II Viva Voce

Maximum marks under this criterion is five (05).Under this criterion viva voce is based on the Dissertation.

III Attendance

Maximum marks under this criterion is five (05). Students having more than or equal to 75 per cent attendance will be entitled for five marks.

IV

Overall Performance

Maximum marks under this criterion is five (05). This criterion comprises behaviour, discipline and participation of students in the Department and University campus