

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

Programme/Class: Degree/BA		Year: Third	Semester: Fifth
Subject: Economics			
Course Code: A080501T		Course Title: Economic Growth and Development	
Course outcomes:			
<ul style="list-style-type: none"> ● 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: 5		Core Compulsory	
Max. Marks: 25+75		Min. Passing Marks: 40	
Total No. of Lectures-Tutorials-Practical (in hours per week): P- 2/w			
Unit	Topics		No. of Lectures
Part I			
I	Meaning and Measurement of Economic Growth and Development- Measuring Development and Development Gap, GDP, GNP, Per Capita Income, Factors affecting Economic growth and Development.		10
II	Concept of Poverty and Inequality, Vicious cycle of poverty, Lorenz Curve, Gini Coefficient Concept of Human Development, Human Development Index, Physical Quality of Life Index, Quality of Life Indices. Hunger Index, Happiness Index, Development and Sustainability. Concept of Sustainable Development. Millennium Development goals.		10
III	Lewis model of labour surplus economy, 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-., Dualism-Social, Technological, Financial, Organizational, Model of Dual Economy, Lewis, Ranis-Fei, Jorgenson, Dependency Theories of Underdevelopment.		10
VI	Models of Technical Progress, Embodied and Disembodied Technical Progress, Neutral Technical Progress- Hicks, Harrod, Solow, Kaldor, Mirrlees Technical Progress Function, Arrow's Learning by Doing Approach to Economic Growth.		10
VII	Accumulation Endogenous growth, Intellectual capital, Role of Learning, Education and Research, Explanations of Cross country Differentials in Economic Growth, Information Paradigm-Stiglitz		8

VIII	International Trade, Aid and Finance in the Development of Developing Countries-with special reference to India. FDI & FII, Role of Technology Transfer and Multinational Corporations in promoting development in development of developing countries-with Special Reference to India.	7
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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 andApplications, SageIndia.
- ❖ Singh,S.R(2012):EnvironmentalEconomics,APHPublishingCorporation,Delhi.
- ❖ Somashekar, NT: Developmental Economics, New Age Publication (Latest edition)
- ❖ Taneja,M.L&Myer,R.M (2011): Arthshastra Ki YojnayeAwamVistaar, Visha PublishingCompany,Jalandhar (New Delhi).
- ❖ Thirlwall, A.P., Growth and Development with Special Reference to Developing Economies, Macmillan, UK, 1999.
- ❖ Todaro,Michael.P&Smith,Stephen.C (2011) : Economic Development, Pearson.

B.A 3rd Year, Sem. V

Degree / BA

Course I
(Theory)

Course Code: A080501T

Subject: Economics

Course Title: Economic Growth and
Development

Suggested Readings:

- 1) डा० वी. सी. सिन्हा, आर्थिक संवृद्धि एवं विकास, साहित्य भवन पब्लिकेशन, आगरा।
- 2) डा० वी. सी. सिन्हा, संवृद्धि एवं विकास का अर्थशास्त्र, साहित्य भवन पब्लिकेशन।
- 3) एस. पी. सिन्हा, आर्थिक विकास एवं नियोजन, वृंदा पब्लिकेशन प्रा० लि०, मथुरा विहार, फेज. I, दिल्ली 9।
- 4) प्रो. एस. एन लाल, डा० एस के लाल, आर्थिक विकास तथा आयोजन, विजय पब्लिशर्स, इलाहाबाद।
- 5) डा० माथौरिका, एवं वाष्ठीय, भारत का आर्थिक विकास एवं नियोजन, साहित्य भवन पब्लिकेशन

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

Programme/Class: Degree/BA	Year: Third	Semester: Fifth
Subject: Economics		
Course Code: A080502T	Course Title: Environmental Economics	
Course outcomes:		
<ul style="list-style-type: none"> • 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. 		
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 way of thinking about these problems, basic concepts from economics; Pareto optimality and market failure in the presence of externalities; property rights and other approaches.	10
II	The Design and Implementation of Environmental Policy: Overview, Pigouvian taxes and effluent fees, tradable permits, implementation of environmental policies in India and international experience; trans-boundary environmental problems; economics of climate change	10
III	Environmental Valuation Methods and Applications: Valuation of non-market goods and services--theory and practice; measurement methods; cost-benefit analysis of environmental policies and regulations.	10
IV	Sustainable Development: Concepts; measurement; perspectives from Indian experience.	7
Part II		
V	The Theory of Externality- Positive & Negative Externality; Public Goods; Private Goods; Public Bads; Market Failure and Pigouvian Solution- Pigouvian Tax.; Coase's Theorem And Property Rights; Eco- Labelling; Eco-Efficiency.	8

VI	Social Limits to Growth Model; Green Accounting; Environmental Valuation- Meaning, Need for Environmental Valuation, Methods of Environmental Valuation; Difficulty in Measuring Environmental Values, Environmental Damages and Its Valuation.	10
VII	Indian Constitution and the Environment; Environmental Management- Meaning and Concept, Objectives and Goals, Obstacles; Environmental Impact Assessment; Environmental Education and Awareness-Dilemma of Environmental Ethics and Practical Problems, Environmental Education in India.	10
VIII	Population and Environment; Trade and Environment in the WTO Regime; Climate Change- Meaning and Concept, Ozone Depletion, Acid Rain, Global Warming and Greenhouse Effect; Indian Environmental Issues and Legislations; Role of Judiciary in Environmental Protection and Conservation; International Environmental Issues and Legislations, Carbon Trading.	10
<p>Suggested Readings:</p> <ul style="list-style-type: none"> ● Bharucha, Erach : Paryavaran Adhyann, Orient Blackswan. ● Bhattacharya, Rabindra Nath (2002): Environmental Economics – An Indian Perspective, Oxford University Press. ● Eugene, 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. 		
<ul style="list-style-type: none"> ● 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 3rd Year, Sem V
Degree/B.A.
Course 11 (Optional)
(Theory)
Course Code: AOB0502T
Subject: Economics
Course Title: Environmental Economics

Suggested Readings:

- 1) डॉ. वी. सी. सिन्हा, विकास एवं पर्यावरणीय अर्थशास्त्र, साहित्य भवन पब्लिकेशन आगरा।
- 2) डॉ. देवा शंकर शिपाई, पर्यावरण अध्ययन, मौरीलाल बनारसीदास प्रकाशन
- 3) डॉ. सिन्हा एवं विवेदी, विकास नियोजन एवं पर्यावरणीय अर्थशास्त्र एस. वी. पी. डी. पब्लिशिंग हाउस।
- 4) प्रो. डी. आर. स्क्वेलर, पर्यावरण, (Mc Graw Hill) मैकग्रा हिल
- 5) डॉ. जयजीय राम उपाध्याय, पर्यावरण विधि, (Central Law Agency) सेन्ट्रल लॉ एजेंसी।
- 6) अनुभा कौशिक, पर्यावरण अध्ययन, न्यू एन इंटरनेशनल प्रा. लि.

**B A 3rdYear,
Sem.V Course II (Optional)
(Theory)**

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

VII	Quantitative Restrictions: Quota-Meaning, objectives, Types and Effects of Import Quotas; Tariffs-Meaning Types and Effects of Tariffs; Non-Tariff Barriers-Meaning, Classification and Types.	10
VIII	Foreign Exchange-Meaning and Instruments, Exchange Rate Determination, Mint Par Parity theory, Purchasing Power Parity Theory, Hedging, Foreign Exchange Rate Policy- Fixed, Flexible & Multiple Exchange Rate System; Convertibility of Rupee in Current Account and Capital Account, Move Towards Capital Account Convertibility; Global Financial Crisis.	10
<p>Suggested Readings:</p> <ul style="list-style-type: none"> ● 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. ● Jhingam, 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. 		
<p>Suggested Continuous Evaluation Methods: Assignment / test/ Quiz(MCQ) / Seminar/Presenatations/ Research orientation of students</p>		
<p>Suggested equivalent online : Swayam</p>		

BA. 3rd Year
Sem, V Course II (Optional)

Course Code: A080503 T

(Theory)

Subject: Economics

Course Title: International Economics

Suggested Readings:

- 1) वैश्य, एम. सी. व सिंह, सुदाजा "अन्तर्राष्ट्रीय अर्थशास्त्र", आक्सफोर्ड एवं आई. बी. एच. पब्लिशिंग कं. प्रा. लि. नई दिल्ली।
- 2) अग्रवाल एवं बरला, अन्तर्राष्ट्रीय अर्थशास्त्र; लक्ष्मीनारायण अग्रवाल आगरा।
- 3) राजा, के. सी. व वर्मा, के. एन, 'अन्तरविदेशीय अर्थशास्त्र' विशाल पब्लिशिंग कं. जालन्धर।
- 4) सिंगान, एम. एल., अन्तर्राष्ट्रीय अर्थशास्त्र, वृंदा पब्लिशिंग प्रा. लि. दिल्ली।
- 5) सोमेश्वर सिंह कुशावाहा, अन्तर्राष्ट्रीय अर्थशास्त्र, दि. मोंसगिलन कम्पनी ऑफ इण्डिया लि. नई दिल्ली।
- 6) डॉ० जी. सी. शिंदर्, अन्तर्राष्ट्रीय अर्थशास्त्र, साहित्य भवन पब्लिकेशन, आगरा।
- 7) डॉ० वी. सी. सिन्हा, अन्तर्राष्ट्रीय अर्थशास्त्र, साहित्य भवन पब्लिकेशन, आगरा।

BA 3rd Year, Sem. V
Course III
(Project)

Program/Class: Degree /BA	Year: Third	Semester: Fifth
Subject: Economics		
Course Code: A080603R	Course Title: Elementary Statistics based Project	
<p>Course Outcome:</p> <ul style="list-style-type: none"> ● 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 environment. ● The students are able to use statistical tools vis-à-vis given real life situation. ● Practical work to be based on the topics covered in the contents given below. 		
Credits: 3	Core Compulsory	
Max. Marks: 25+75	Min. Passing Marks:40	
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
I	Introduction to Basic Concepts in Statistics: Population, Sample, Parameter, Data-Meaning & types. Questionnaire, Schedule & Interview Schedule (meaning, concept & types), Frequency Distribution, Cumulative frequency; Graphic and Diagrammatic representation of data.	45 (Class room teaching and practical)
II	Measures of Central Tendency - Mean, Median, Mode, Geometric mean and Harmonic mean. (Meaning, concept, properties & methods of measurement-in brief). Measure of Dispersion: Range, Mean Deviation, Standard deviation, Coefficient of Variation, Quartile deviation, Skewness and Kurtosis (Meaning, concept, properties & methods of measurement-in brief)	
III	Correlation: Meaning, Concept, Types & Properties. Methods of Regression: Meaning and Concept. Least squares method, Interpretation of Regression Coefficients. Meaning, concept & types of Sampling. Meaning & concept of Hypothesis & hypothesis testing.	
IV	Time Series: Concept, Meaning & Components - Determination of Regular, Trend and Seasonal Indices. Index Number: Concept, Classification of Index Numbers-price relative, quantity relative, value relative & special purpose (in brief). Consumer Price Index(CPI), Whole Sale Price Index (WPI), Methods of Construction of Index Numbers- i Unweighted & ii Weighted indices (in brief). Test of Adequacy of Index Number Formulae (in brief).	

Suggested Readings:

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

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

- Sharma,J.K(2011) : Business Statistics “Pearson Education.

B.A. III Year, Sem II

Course III

(Project)

Course Code: A080603R Subject: Economics

Course Title: Elementary Statistics based Project

Suggested Reading:

- 1) सिंह, एस. पी. (1997) सांख्यिकी - सिद्धान्त एवं व्यवहार, एस चन्द एण्ड कम्पनी लिमिटेड, नई दिल्ली।
- 2) बंसल, डा० एस. एन, एवं अग्रवाल, डा० डी० आर. (1978) सांख्यिकी के मूल तत्व, शिवलाल अग्रवाल एण्ड कम्पनी, आगरा।
- 3) अवस्थी, जी० डी० एवं निगम, सुधीर कुमार (2007) सांख्यिकी विश्लेषण, भारत बुक सेंटर, लखनऊ।
- 4) नागर, कैलाश नाथ (2005) सांख्यिकी के मूल तत्व, मिनाक्षी प्रकाशन, मेरठ।
- 5) शर्मा, गौकुल चन्द, चौधरी एस. एन. सांख्यिकी विधियाँ, शिवलाल अग्रवाल एण्ड कम्पनी।
- 6) डा० वी० सी० सिन्हा, प्रारम्भिक सांख्यिकी, साहित्य भवन पब्लिकेशन।
- 7) डा० एस. एन. सिंह, प्रारम्भिक सांख्यिकी, अग्रवाल पब्लिकेशन।
- 8) अस्थाना वी. एन, सांख्यिकी के सरल सिद्धान्त।

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.