

**CURRICULUM FRAMEWORK**  
**FOR**  
**UNDER GRADUATE PROGRAMME IN ECONOMICS**  
**AS PER NATIONAL EDUCATION POLICY (NEP)-2020**  
**TRIPURA UNIVERSITY - A CENTRAL UNIVERSITY**  
**(With Effect from Academic Year: 2023-24)**



DEPARTMENT OF ECONOMICS  
TRIPURA UNIVERSITY

## **1. Introduction:**

Tripura University's undergraduate economics syllabus is framed in tune with National Education Policy (NEP) - 2020 guidelines. The goal is to provide a curriculum that will enable the students to develop as self-reflective learners with pertinent academic and professional abilities in the field of economics in view of growing academic importance of economics as a social science subject in recent years and keeping in mind the expansion of the subject incorporating newer fields of studies. Accordingly the syllabus includes components from Massive Open Online Courses (MOOC).

The objective of the NEP-Under Graduate programme is to train and enhance the skills of the students so that they can apply their expertise in real-life situations. The One Year Certificate/Two Year Diploma / Three Year Under Graduate Degree / Four Year Under Graduate Degree (Honours without Research) / Four Year Under Graduate Degree (Honours with Research) in Economics is a modular four-year (eight semesters) programme. It includes major courses, minor courses, multidisciplinary courses, skills enhancement courses, value-added courses and ability enhancement courses with multiple exit and entry points. The programme adopts a flexible curricular structure to ensure creative combinations of the disciplinary areas.

The undergraduate degree programme of 4- year duration has multiple exit points with appropriate certifications such as: a UG certificate after completing 1 year (two semesters). An additional 4 credits training/internship will earn an UG diploma after completion of 2 years (four semesters) of study. An additional 4 credits training/internship will lead to a bachelor's degree at the end of 3-year (six semesters) of study. Finally, UG degree with Honours / UG degree with Research and Honours degree will be awarded after 4 years (eight semesters) of study. The evaluation and examination procedures will be conducted as per the regulations and guidelines of Tripura University.

## **2. Programme Specific Educational Objectives (PEOs):**

The Under Graduate programme in Economics aims to fulfill the following objectives:

PEO1: To develop the knowledge base in different areas of economic theory and methods, both at the micro and macro level.

PEO2: To inculcate the required skills for scientific data collection and analysis.

PEO3: To provide a comprehensive eco-system for students in pursuing a diverse course curriculum in tune with their best interest and choices.

PEO4: To make the students enable in application of their theoretical knowledge in the practical fields, explaining the real world situation.

PEO5: To develop critical thinking among the students towards bridging the gap between theory and practice.

PEO6: To equip students with the necessary analytical skills, identifying problems, formulating hypothesis, evaluating and validating results as well as policy formulations.

PEO7: To making the students ready for research, project handling and report writing.

PEO8: To encourage learners to develop their entrepreneur skills.

PEO9: To impart the required training and skills among the students so that they can be potential researchers and theorists in future.

PEO10: Finally, to prepare the students to develop critical thinking and a sense of commitment and service to the society.

### **3. Programme Outcomes (POs):**

PO1: Foundational Knowledge: The graduates will be capable of demonstrating competence in distilling and employing the core ideas of the Social Sciences in multi and interdisciplinary contexts.

PO2: Critical Thinking and Problem Solving: The graduates will develop the ability to employ the tools of critical thinking and methods of enquiry in identifying, formulating, analyzing, and evaluating complex problems and arriving at solutions in an effective way from the first principles.

PO3: Community Involvement and Service: The graduates are expected to be able to build community connections and get involved in community service for promoting the well-being of society.

PO4: Indian Context and Good Citizenship: The graduates would be capable of capable of understanding India's diversity encompassing its socio-economic, political, environmental and cultural aspects among others and would be able to apply action oriented knowledge and skills to contribute positively to the creation of just, inclusive, tolerant, and environmentally sustainable communities, and demonstrate, by doing, the importance of participating in the governance structures.

PO5: Coping with Real Life Situations: The graduates would be able to demonstrate the capability in solving different kinds of problems and apply their learning to real life situations.

PO6: Creativity: The graduates would be able to demonstrate the ability to perform through creativity and critical thinking. They would be able to deal with difficult problems and find out the solutions using innovative, imaginative, lateral thinking, interpersonal skills and emotional intelligence.

PO7: Communication Skills: The graduates would be able to demonstrate such skills that enable them to listen carefully, read texts and write research papers analytically. They would also be able to prepare a document in an informative and concise manner. They would also be able to express their thoughts and ideas effectively in writing and orally; and communicate and share their views confidently using appropriate media to others through logical arguments and technical language.

PO8: Analytical Reasoning and Thinking: The graduates would be able to demonstrate their capabilities in evaluating the reliability and relevance of evidence; identifying logical flaws in the arguments of others; analyzing and synthesizing data from a variety of sources; and finally to come up with valid conclusions. They are also expected to defend their conclusions with evidence and examples and address opposing viewpoints.

PO9: Research Related Skills: The graduates would be able to demonstrate a keen sense of observation, inquiry, and capability for asking relevant questions. They would be able to articulate issues and design research proposals after defining the statement of problems and formulating relevant objectives, research questions, hypotheses. They would be able to analyze data and test hypotheses and interpret the result obtained from their research work.

PO10: Leadership Qualities: The graduates would be able to demonstrate the capability for mapping out their tasks and make a proper planning to execute their tasks in real life. They would be able to develop their future road map to become a leader in their own fields.

#### **4. Programme Specific Outcomes (PSOs):**

The learners who complete four years would earn an Under Graduate Honours / Honours with Research Degree in Economics. The learning outcomes that a student would be able to demonstrate on completion of a degree level programme may involve academic, behavioural and social competencies as described below.

PSO1: The learners will have adequate competency in the frontier areas of economic theory and methods.

PSO2: They would be able to execute in-depth analysis of economic issues based on their understanding of economic theory.

PSO3: Some of the courses will enable them to develop their entrepreneurial capacity and skills.

PSO4: The learners will also acquire additional specialization through optional courses.

### **5. Certification Criteria (Multiple Exit Options):**

Certificate / Diploma / Three Year UG Degree / Four Year Honours Degree will be applicable as per the uniform structure of UG-NEP syllabus framed by the competent authority of Tripura University.

### **6. Other Key Criteria for NEP-UG Programme**

**Selection of Minor Course:** Students of Economics (major) would opt for minor courses from the minor courses offered by other departments. Minor courses of Economics will be offered to Non Economics (Honours) Students.

**Selection of Interdisciplinary Course:** Students in Economics major would have to select an interdisciplinary course from the basket of interdisciplinary courses provided in the common structure (student will select that subject which he/ she have not studied earlier or have not taken as major or minor course). However, students of Economics major (or minor) would not be allowed to select interdisciplinary courses offered by the Department of Economics.

**Selection of Compulsory Value-Added Course:** Students in Economics major would have to select a compulsory value-added course from the basket of value-based courses provided in the common structure.

**Research at UG Programme:** Students who secure 75% marks and above in the first six semesters can undertake research at the undergraduate level/in the fourth year, as per NEP-2020.

**Exit and Re-entry:** Exit and re-entry option in the degree programme in Economics will be allowed at 2nd (first year) and 4th semester (second year) to those students who have awarded UG Certificate and UG Diploma, respectively. However, these students will be allowed to re-enter the degree programme within 3 years after their exit and will have to complete the degree programme within the stipulated maximum period of seven years.

**UG NEP Syllabus for Programme in Economics**

<b>Year</b>	<b>Semester</b>	<b>Category of the Course</b>	<b>Course Code</b>	<b>Name of the Paper</b>	<b>Total Credit</b>
<b>Year - 1</b>	<b>Semester-I</b>	Major 1	EC101C	Basic Economics	4
		Major 2	EC102C	Issues in Indian Economy	4
		Minor 1	EC101M	Introductory Economics	4
		Interdisciplinary 1	EC101ID	Elementary Economics I	4
	<b>Semester-II</b>	Major 3	EC201C	Micro Economics	4
		Major 4	EC202C	Macro Economics	4
Minor 2		EC201M	Indian Economics	4	
<b>Year - 2</b>	<b>Semester-III</b>	Major 5	EC301C	Development Economics	4
		Major 6	EC302C	Indian Economic Policies	4
		Minor 3	EC301M	Economic History of India and Basic Statistics	4
		Interdisciplinary 2	EC301ID	Elementary Economics II	4
	<b>Semester-IV</b>	Major 7	EC401C	Statistical Methods-I	4
		Major 8	EC402C	Money, Banking & Finance	4
		Minor 4	EC401M	Intermediate Microeconomics	4
		Interdisciplinary 3	EC401ID	Elementary Economics III	4
<b>Year - 3</b>	<b>Semester-V</b>	Major 9	EC501C	Public Finance	4
		Major 10	EC502C	Mathematics for Economics	4
		Major 11	EC503C	Economics of Growth and Environment	4
		Major 12 (Students can select/opt any one paper)	EC504C(i)	Economic History of India	4
			EC504C(ii)	Business Tourism (NPTEL-Swayam Online Course / Course ID: ini24_cm01)	4
			EC504C(iii)	Tourism and Travel Management (NPTEL-Swayam Online Course / Course ID: cec19_mg29)	4
	Minor 5	EC501M	Intermediate Macroeconomics	4	
	<b>Semester-VI</b>	Major 13	EC601C	Economy of Tripura	4
		Major 14	EC602C	International Trade	4
		Major 15	EC603C	Statistical Methods-II	4
		Major 16 (Students can select/opt any one paper)	EC604C(i)	Econometrics	4
			EC604C(ii)	Introduction to Econometrics (NPTEL-Swayam Online Course / Course ID: noc26-ec07)	4
			EC604C(iii)	Energy Resources, Economics and Environment (NPTEL-Swayam Online Course / Course ID: noc26-hs21)	4
		Minor 6	EC601M	Economics of NER with Special Reference to Tripura	4

<b>Bachelor's Degree with Honours</b>					
<b>Year - 4</b>	<b>Semester-VII</b>	Major 17	EC701C	Advanced Microeconomics	4
		Major 18	EC702C	Research Methodology and Computer Applications in Economics	4
		Major 19	EC703C	Indian Economic Thought	4
		Major 20 (Students can select/opt any one paper)	EC704C(i)	Project-I	4
			EC704C(ii)	E-Business ((NPTEL-Swayam Online Course / Course ID: noc26_mg41)	4
			EC704C(iii)	Entrepreneurship Development (NPTEL-Swayam Online Course / Course ID: cec20_mg19)	4
		Minor 7	EC701M	Public Finance & International Trade	4
	<b>Semester-VIII</b>	Major 21	EC801C	Advanced Macroeconomics	4
		Major 22	EC802C	Mathematical Economics	4
		Major 23	EC803C	Indian Economic Thought	4
		Major 24 (Students can select/opt any one paper)	EC804C(i)	Project-II	4
			EC804C(ii)	Economics of Public Policy (NPTEL-Swayam Online Course / Course ID: noc26-ec03)	4
			EC804C(iii)	Health Care Quality Management (NPTEL-Swayam Online Course / Course ID: noc26_mg02)	4
		Minor 8	EC801M	Development Economics	4

## Syllabus for Economics Major 1 (Part of SEM 1)

<b>Programme/Class</b>	<b>Year: First</b>	<b>Semester: First</b>
<b>Degree: BA</b>		
<b>Subject: Economics (Major)</b>		
<b>Course code:</b> EC101C	<b>Course Title: Basic Economics</b>	
<b>Course objective:</b>	<ul style="list-style-type: none"> <li>• To introduce the basic concepts of Microeconomics, Laws of demand and supply, concept of elasticity, etc.</li> <li>• To impart knowledge about the concepts of consumer behaviour</li> <li>• To familiarize the students with price effect, income effect and substitution effect, the application of indifference curve analysis in deriving demand curves</li> <li>• To introduce the theory of production- isoquants, isocosts, producer equilibrium, laws of returns to scale, laws of variable proportion.</li> <li>• To familiarize the students with the theory of cost, relation between marginal cost and average cost, derivation of short run and long run average cost curves, the meaning of market, classification of market structures, the concepts and classifications of revenue, relation between marginal revenue, average revenue, and also relation among marginal revenue, average revenue and elasticity.</li> <li>• To put across the concept of national income, calculation methods of national income, and concepts related to national income.</li> <li>• To familiarize the students about the objectives and components of government budget, classification of receipts and expenditures, measures of government deficit.</li> </ul>	
<b>Course outcome:</b>	<ul style="list-style-type: none"> <li>• The students get familiarized with the basic concepts of Microeconomics, Laws of demand and supply, concept of elasticity, etc. so that he/ she can comprehend and familiarize with day today happenings.</li> <li>• Understand the concepts of consumer behaviour like Cardinal utility and ordinal utility analysis.</li> <li>• The students learn and understand the price effect, income effect and substitution effect, the application of indifference curve analysis in deriving demand curves</li> <li>• The students are able to understand the theory of production- isoquants, isocosts, producer equilibrium, laws of returns to scale, laws of variable proportion.</li> <li>• The students learn and understand the theory of cost, relation between marginal cost and average cost, derivation of short run and long run average cost curves.</li> <li>• The students come to know about the concept of market and its different structures, concepts and classifications of revenue, relation between marginal revenue, average revenue and relation among marginal revenue, average revenue and elasticity.</li> <li>• The students are able to explain national income, comprehend methods of measurement of national income, and concepts related to national income.</li> <li>• The students understand the objectives and components of government budget, classification of receipts and expenditures, measures of government deficit.</li> </ul>	
<b>Credits: 04</b>	<b>Core Compulsory</b>	
<b>Max. Marks: 100</b>	<b>Min. Passing Marks: 40</b>	

Unit	Topics	No. of Lectures
<b>UNIT-I</b> (Basic concepts of Economics):	<p>Nature and scope of Economics; Positive &amp; Normative Economics; Micro &amp; Macro Economics.</p> <p>Basic Problems &amp; Agents of an Economy; Demand, Supply &amp; Market Equilibrium; Derivation of Market Demand &amp; Supply; Change in Supply &amp; Demand and Economic Implications.</p> <p>Elasticity of Supply: Concept, Determinants &amp; Measurement; Elasticity of Demand: Concept, Types &amp; Determinants; Measurement of Point Elasticity; Concepts of Unit Elasticity &amp; Arc Elasticity, Relation between Slope and Elasticity of Demand.</p>	12
<b>UNIT-II</b> (Theory of Consumer Behaviour):	<p>Cardinal &amp; Ordinal Utility; Law of Diminishing Marginal Utility; Marshallian Utility Analysis; Derivation of Demand Curve and Its Elasticity Implication.</p> <p>Concepts &amp; Properties of Indifference Curve &amp; Budget Line; Total Utility, Marginal Utility &amp; Average Utility; consumer's equilibrium-interior and corner;</p> <p>Decomposition of Price effect into Income and Substitution effect (Hicks and Slutsky), Ordinary &amp; Compensated Demand curves, Price consumption curve and Giffen good, Income consumption curve and Engel curve.</p>	12
<b>UNIT-III</b> (Theory of Production, Cost and Revenue):	<p>Production Function, Laws of Variable Proportions and Returns to Scale; Total, Average and Marginal Products</p> <p>Concepts &amp; Properties of Isoquant &amp; Isocost Line;</p> <p>Concept of MRTS, Producer's Equilibrium, Elasticity of substitution; Ridge Lines &amp; Economic Zone; Expansion Path ;</p> <p>Cost Minimization and Output Maximization</p> <p>Cost structure- implicit cost, explicit cost, fixed cost, variable cost, total, average and marginal cost.</p> <p>Relation between marginal cost &amp; average cost; Derivation of SAC &amp; LAC.</p> <p>Meaning of market; classification of market structures; Concepts of Total Revenue, Marginal Revenue (MR) &amp; Average Revenue (AR); Relation between AR and MR under imperfect competition; Relation between AR and MR under imperfect competition; AR, MR and Price Elasticity of Demand</p>	13

<b>UNIT-IV</b> (Introductory Macroeconomics) :	Basic concepts in macroeconomics: consumption goods, capital goods, final goods, intermediate goods; stocks and flows; gross investment and depreciation.  National Income and related aggregates: GNP, NNP(at factor cost and market price),GDP, NDP, GDP, PI & DPI);Concepts of Depreciation, GDP Deflator, CPI; Measurements of National Income: Aggregation of Output, Income and Expenditure; National Income as an index of economic welfare.  Government Budget and the Economy: Government budget - meaning, objectives and components. Classification of receipts - revenue receipts and capital receipts; classification of expenditure-revenue expenditure and capital expenditure. Measures of government deficit - revenue deficit, fiscal deficit, and primary deficit- their meaning.	13
<p><i>Suggested Readings:</i></p> <ul style="list-style-type: none"> <li>▪ Sampat Mukherjee, <i>Analytical Microeconomics</i>, New Central Book Agency (P) Ltd.</li> <li>▪ Joydeb Sarkhel, <i>Micro Economic Theory</i>, Book Syndicate Pvt. Ltd.</li> <li>▪ Hal R. Varian, <i>Intermediate Microeconomics: A Modern Approach</i>, East- West Press, New Delhi.</li> <li>▪ Koutsoyiannis, <i>Modern Micro Economics</i>, Macmillan, London</li> <li>▪ Montosh Chakraborty, <i>Byastik Arthaniti</i>, Dhakeswary Library, Dhaka.</li> <li>▪ H.L. Ahuja, <i>Advanced Economic Theory</i>, S.Chand&amp; Company Ltd.</li> <li>▪ Sampat Mukherjee &amp; Debesh Mukherjee, <i>Samakalin Arthabidya</i>, New Central Book Agency (P) Ltd.</li> <li>▪ Satya R. Chakraborty, <i>Microeconomics</i>, Allied Publishers Pvt Ltd.</li> <li>▪ Joydeb Sarkhel, <i>Adhunik Arthanitir Bhumika</i>, Book Syndicate Pvt. Ltd.</li> <li>▪ Rana and Verma, <i>Macroeconomic Analysis</i>, Vishal Publication</li> <li>▪ Ahuja, H.L., <i>Macroeconomics: Theory and Policy</i>, S. Chand&amp; Co, New Delhi</li> <li>▪ R. Dutt&amp; K.P.M. Sundaram, <i>Indian Economy</i>, S. Chand&amp; Co, New Delhi</li> <li>▪ S.K. Mishra &amp; V.K. Puri, <i>Indian Economy</i>, Himalayan Publishing House</li> <li>▪ Swapan Kr. Ray &amp; Joydeb Sarkhel, <i>Bharater Arthaniti</i>, Book Syndicate Pvt. Ltd.</li> <li>▪ Joydeb Sarkhel &amp; Sheikh Salim, <i>Bharatiya Arthaniti</i>, Book Syndicate Pvt. Ltd.</li> <li>▪ N. Gregory Mankiw, <i>Principles of Microeconomics</i>, 6th Edition, NewDelhi: Cengage Learning India (Pvt.) Ltd.</li> <li>▪ N. Gregory Mankiw, <i>Principles of Macroeconomics</i>, 6th Edition, NewDelhi: Cengage Learning India (Pvt.) Ltd.</li> <li>▪ Shapiro, E. <i>Macroeconomic Analysis</i>, New Delhi: Galgotia PublicationsPvt. Ltd.</li> <li>▪ Dornbusch, R. and F. Stanley, <i>Macroeconomics</i>, New York: McGrawHill, Inc.</li> </ul>		
<p><b>Suggested Continuous Evaluation Methods:</b>          Assignment /Test/Quiz (MCQ)/Presentations</p>		
<p><b>Suggested equivalent online:</b>          Swayam, <a href="http://www.indiabudget.gov.in">www.indiabudget.gov.in</a></p>		

Syllabus for Economics Major 2 (Part of SEM 1)

Programme/Class Degree: BA	Year: First	Semester: Two
<b>Subject: Economics (Major)</b>		
Course Code: EC102C	<b>Course Title: Issues in Indian Economy</b>	
Course Objective	To give an understanding about the <ul style="list-style-type: none"> <li>• Demographic profile of the country</li> <li>• Different sectors of the Indian economy</li> <li>• Public sector and Indian financial system</li> <li>• External sector of the country</li> </ul>	
Course Outcome	Students will learn about the nature of the Indian economy and its problems. This will help them understand and analyze the changes of different indicators of Indian economy using basic economic tools.	
Credits: 04	Core Compulsory	
Max. Marks: 100	Min. Passing Marks: 40	
Keywords		
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I: Structure and Trends of Indian Economy	Features of Indian Economy; Sectoral Distribution of National Income & Its Significance Demographic: Features, Trend and Problems; inter-state demographic variation with respect to major economic indicators	13
UNIT-II: Primary, Secondary & Tertiary Sectors	Farm Size & Productivity; Land Reform: Nature & Scope, Objectives, Programmes, Achievements & Failures; Green Revolution: Salient Features, Impact Industrial development during planned period; Composition, Trends of Service sector and its role in Indian Economic Development	14
UNIT-III: Public Sector & Indian Financial System	Public Sector: Role and Performance; Features of Indian Tax System & Role of Indirect Taxation; GST and related issues; Reserve Bank of India: Functions & Role. Commercial Banks: Nationalisation, Merger & Acquisition and its role in Indian Economy,	12
UNIT-IV: External Sector	Foreign Capital: Need, Importance & Weakness; FDI and FII; Trade: Composition & Trends; Export Promotion & Import Substitution;	11

**Suggested Readings:**

1. R. Dutt & K.P.M. Sundaram – Indian Economy, S. Chand & Co. Delhi (Latest ed.)
2. Mishra & Puri – Indian Economy, Himalaya Publishing House, Mumbai (Latest ed.)
3. Uma Kapila (ed.) – Indian Economy Since Independence, Academic Foundation, Delhi
4. Swapan Kr. Roy & Jaydeb Sarkhel, *Bharater Arthaniti*, Book Syndicate Private Ltd. (Latest ed.)
5. Debesh Mukherjee, *Samakalin Bharatiya Arthaniti*, New Central Book Agency Pvt. Ltd
6. Jean Dreze and AmartyaSen - *An Uncertain Glory: India and its Contradictions*, Princeton University Press (2013)
7. Mihir Rakshit - *Macroeconomics of Post-Reform India* (2011)
8. Kaushik Basu and A. Maertens (Eds) - *The New Oxford Companion to Economics in India*, Oxford University Press (2013)
9. L.M.Bhole and J.Mahakud - *Financial Institutions and Markets: Structure, Growth & Innovation* (6th Edition, 2017)

Online study material:

1. Economic and Political Weekly, Various Issues.
2. Govt. of India – Economic Survey, Various Years.
3. Ghate,C. and S.Wright (2012). The ‘V-Factor’: Distribution, Timing and Correlates of the Great Indian Growth Turnaround. *Journal of Development Economics*, Vol.99, pp. 58-67.
4. Ahluwalia,M.S (2000). State Level Performance Under Economic Reforms in India. Presented at the Centre for Research on Economic Development and Policy Reform Conference on Indian Economic prospects: Advancing Policy Reform, May 2000; Stanford University
5. <http://www.niti.gov.in/>
6. <https://www.sebi.gov.in/>

## Syllabus for Economics Minor 1 (Part of SEM 1)

<b>Programme/Class</b> <b>Degree: BA</b>	<b>Year: First</b>	<b>Semester: First / Second</b>
<b>Subject: Economics (Minor)</b>		
<b>Course code:</b> EC101M	<b>Course Title: Introductory Economics</b>	
<b>Course objective:</b>	<ul style="list-style-type: none"> <li>• To introduce the basic concepts of Economics- micro, macro, growth &amp; development; central problems of the economy</li> <li>• To introduce the concept of production, costs and - isoquants, isocosts, producer equilibrium, laws of returns to scale, laws of variable proportion.</li> <li>• To familiarize the students with the concepts of marginal cost and average cost, short run and long run average cost curves,</li> <li>• To introduce the concepts and classifications of revenue, relation between marginal revenue, average revenue, and also relation among marginal revenue, average revenue and elasticity.</li> <li>• To spread the meaning of market and its classification</li> <li>• To put across the concept of national income, calculation methods of national income, and concepts related to national income.</li> <li>• To familiarise the students with the major schools of economic thought</li> <li>• To enable students to distinguish between growth and development; various measures and concepts of development</li> <li>• To familiarize the students about the objectives and components of government budget, classification of receipts and expenditures, measures of government deficit.</li> </ul>	
<b>Course outcome:</b>	<ul style="list-style-type: none"> <li>• The students get familiarized with the basic concepts of Economics, so that he/ she can comprehend and familiarize with day today happenings.</li> <li>• Understand the concepts of costs, revenue and production as well as the various market forms and functioning</li> <li>• Students will understand the various policy measures adopted by government</li> <li>• The students learn and understand the distinction between growth and development.</li> <li>• The students are able to explain national income, comprehend methods of measurement of national income, and concepts related to national income.</li> <li>• The students understand the objectives and components of government budget, classification of receipts and</li> </ul>	

	expenditures, measures of government deficit.	
<b>Credits: 04</b>	<b>Core Compulsory</b>	
<b>Max. Marks: 100</b>	<b>Min. Passing Marks: 40</b>	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>UNIT-I</b> (Fundamentals of Microeconomics):	<p><b>Basic Concepts:</b> Wealth, Welfare &amp; Scarcity; Positive &amp; Normative Economics; Micro &amp; Macroeconomics; Central problems of Economy; Concepts &amp; Laws of Demand &amp; Supply; Elasticities</p> <p><b>Production, Costs &amp; Revenue:</b> Returns to a factor, Concepts of total Product; average product, marginal product; Law of Variable Proportion (Three stages) &amp; Returns to scale; Total, Average &amp; Marginal Costs; Concepts of TR, MR and AR- relation among AR, MR and Price Elasticity.</p> <p><b>Concept of Market:</b> Meaning; Classification of Market Structures</p>	09
<b>UNIT-II</b> (Fundamentals of Macroeconomics):	<p><b>National Income and related concepts:</b> NI, GNP, GDP, NNP, NDP (at factor cost and market price), PI &amp; DPI; Measurements of National Income: Circular flow of income in two sector &amp; three model</p> <p><b>Economy and Development:</b> Types of Economy—Capitalist, Socialist &amp; Mixed; Closed &amp; Open Economy; Different sectors of an Economy;</p> <p><b>Major Schools of Thought:</b> Concepts &amp; Comparison of Classics, Keynesian &amp; Monetarists</p>	11
<b>UNIT-III</b> (Money, Banking & Taxes):	<p><b>Money &amp; Banking:</b> Definition of money &amp; its functions; Concepts of Demand for &amp; supply of money; Functions of central and commercial banks; inflation and stagflation</p> <p><b>Government Finances:</b> Basic concepts; Deficit &amp; Surplus Budget; Monetary &amp; Fiscal Policy</p> <p><b>Taxes:</b> Basic concepts; Direct &amp; Indirect taxes—incidence, shifting &amp; burden of taxes; GST</p>	09
<b>UNIT-IV</b> (Development & Trade):	<p><b>Growth &amp; Development;</b> Difference between Growth and Development; Measures of Development: PCI; PQLI; HDI;</p> <p>Unlimited Supplies of Labour- Lewis Model; Concepts of</p>	11

	<p>Balanced &amp; Unbalanced growth; Sustainable Development- Concept.</p> <p><b>Trade &amp; Development:</b> Free Trade &amp; Protection- Concepts, Advantages and Disadvantages; BoTs- Favourable &amp; Unfavourable; Fixed &amp; Flexible Exchange Rate System; BoPs—current &amp; capital accounts; surplus &amp; deficit</p>	
<p><b>Suggested Readings:</b></p> <ul style="list-style-type: none"> <li>▪ Sampat Mukherjee, <i>Analytical Microeconomics</i>, New Central Book Agency (P) Ltd.</li> <li>▪ Joydeb Sarkhel, <i>Micro Economic Theory</i>, Book Syndicate Pvt. Ltd.</li> <li>▪ Hal R. Varian, <i>Intermediate Microeconomics: A Modern Approach</i>, East- West Press, New Delhi.</li> <li>▪ Koutsoyiannis, <i>Modern Micro Economics</i>, Macmillan, London</li> <li>▪ Montosh Chakraborty, <i>Byastik Arthaniti</i>, Dhakeswary Library, Dhaka.</li> <li>▪ H.L. Ahuja, <i>Advanced Economic Theory</i>, S.Chand &amp; Company Ltd.</li> <li>▪ Sampat Mukherjee &amp; Debesh Mukherjee, <i>Samakalin Arthabidya</i>, New Central Book Agency (P) Ltd.</li> <li>▪ Satya R. Chakraborty, <i>Microeconomics</i>, Allied Publishers Pvt Ltd.</li> <li>▪ Joydeb Sarkhel, <i>Adhunik Arthanitir Bhumika</i>, Book Syndicate Pvt. Ltd.</li> <li>▪ Rana and Verma, <i>Macroeconomic Analysis</i>, Vishal Publication</li> <li>▪ Ahuja, H.L., <i>Macroeconomics: Theory and Policy</i>, S. Chand &amp; Co, New Delhi</li> <li>▪ R. Dutt &amp; K.P.M. Sundaram, <i>Indian Economy</i>, S. Chand &amp; Co, New Delhi</li> <li>▪ S.K. Mishra &amp; V.K. Puri, <i>Indian Economy</i>, Himalayan Publishing House</li> <li>▪ Swapan Kr. Ray &amp; Joydeb Sarkhel, <i>Bharater Arthaniti</i>, Book Syndicate Pvt. Ltd.</li> <li>▪ Joydeb Sarkhel &amp; Sheikh Salim, <i>Bharatiya Arthaniti</i>, Book Syndicate Pvt. Ltd.</li> <li>▪ N. Gregory Mankiw, <i>Principles of Microeconomics</i>, 6th Edition, New Delhi: Cengage Learning India (Pvt.) Ltd.</li> <li>▪ N. Gregory Mankiw, <i>Principles of Macroeconomics</i>, 6th Edition, New Delhi: Cengage Learning India (Pvt.) Ltd.</li> <li>▪ Shapiro, E. <i>Macroeconomic Analysis</i>, New Delhi: Galgotia Publications Pvt. Ltd.</li> <li>▪ Dornbusch, R. and F. Stanley, <i>Macroeconomics</i>, New York: McGrawHill, Inc.</li> </ul>		
<p><b>Suggested Continuous Evaluation Methods:</b> Assignment /Test/Quiz(MCQ)/Presentations</p>		
<p><b>Suggested equivalent online:</b> Swayam, <a href="http://www.indiabudget.gov.in">www.indiabudget.gov.in</a></p>		

Programme/Class Degree:	Year: First	Semester: 1
<b>Subject: Economics (Interdisciplinary)</b>		
Course Code: EC101ID	<b>Course Title: Elementary Economics - I</b>	
Course Objective:	To give an understanding about the <ul style="list-style-type: none"> <li>• Basic knowledge about the scope and domain of Economics</li> </ul>	
Course Outcome:	Students will learn about <ul style="list-style-type: none"> <li>• the basic concepts about economics, especially Microeconomics</li> <li>• the various forms of Market and its features</li> <li>• the role of Govt. and Role of Central Bank</li> </ul>	
Credits:	03	
Max. Marks: 100	Min. Passing Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I:	What is Economics? Human wants and needs, Economy – Its meaning and types, Central problems of an economy, Basic economic activities, Concepts of goods and services, concepts of demand and supply, Concept of elasticity, Determinants of price and quantity	10
UNIT-II:	Concept of production, cost and revenue, Concept of Market, Types and forms of market with characteristics, Determination of price in Perfect competition	10
UNIT-III:	Types of Bank-Concepts and differences between Commercial and Central Banks, Role of Reserve Bank of India, Credit Creation; Credit Control	10
UNIT-IV	Role of Govt. in Economy, Provision of Public Goods and Services and Market Intervention and Govt. Budget: Revenue and Expenditure	10
<b>Suggested Readings:</b>		
<ol style="list-style-type: none"> <li>1. PA Samuelson: Foundations of Economics, 9th edition, Pearson</li> <li>2. Montosh Chakraborty, Byastik Arthaniti (Moulik), Dhakeswary Library, Dhaka.</li> <li>3. H.L. Ahuja, Advanced Economic Theory, S.Chand &amp; Company Ltd.</li> <li>4. Sampat Mukherjee &amp; Debesh Mukherjee, Samakalin Arthabidya, New Central Book Agency (P) Ltd.</li> <li>5. M.L Jhingan- Micro Economic Theory, Vrinda Publications Pvt. Ltd.</li> <li>6. S.K. Mishra &amp; V.K. Puri, Indian Economy, Himalayan Publishing House</li> <li>7. Swapan Kr. Ray &amp; Joydeb Sarkhel, Bharater Arthaniti, Book Syndicate Pvt. Ltd.</li> </ol>		
Suggested Continuous Evaluation Methods: Assignment / Test / MCQ Assignment /Test/Quiz(MCQ)/Presentations		

## Syllabus for Economics Major 3 (Part of SEM 2)

<b>Programme/Class</b> <b>Degree: BA</b>	<b>Year: First</b>	<b>Semester: Second</b>
<b>Subject: Economics (Major)</b>		
<b>Course code: EC201C</b>	<b>Course Title: Microeconomics</b>	
<b>Course objective:</b>	<ul style="list-style-type: none"> <li>• To introduce the concept of Perfect Competition and Analysis of Competitive Markets</li> <li>• To impart knowledge Profit maximisation under perfect competition</li> <li>• To familiarize the students with Market with Power – Monopoly and Monopsony, Monopolistic Competition, Oligopoly</li> <li>• To introduce the theory of Price Discrimination</li> <li>• To familiarize the students with the various forms of market equilibrium</li> <li>• To introduce the students to the Factor Market Analysis and Welfare Economics</li> </ul>	
<b>Course outcome:</b>	<ul style="list-style-type: none"> <li>• The students get familiarized with the concepts of Market and its various forms so that he/ she can comprehend and familiarize with day today happenings.</li> <li>• Understand the concepts of Profit maximization in competitive markets</li> <li>• The students learn and understand the aspects of Price Discrimination</li> <li>• The students are able to understand the various forms of market equilibrium</li> <li>• The students learn and understand about market efficiency</li> <li>• The students come to know about different aspects of Welfare economics.</li> </ul>	
<b>Credits: 04</b>	<b>Core Compulsory</b>	
<b>Max. Marks: 100</b>	<b>Min. Passing Marks: 40</b>	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>UNIT-I (Perfect Competition and Analysis of Competitive Markets):</b>	Profit maximisation under perfect competition in Short run and Long run; Short run supply curve of the firm and Long run supply curve of the industry; Constant, Increasing and Decreasing cost industry; The Effect of Tax	12
<b>UNIT-II (Market with Power – Monopoly and Monopsony):</b>	Market Power and Capturing Consumer Surplus: Price Discrimination-first, second and third degree price discrimination. Monopoly: Sources of monopoly power; Average Revenue, Marginal Revenue and Monopolist Equilibrium; the Multiplant Monopolist; Social cost of monopoly, rent seeking. Monopsony: Monopoly and Monopsony comparison, sources of Monopsony power, Social cost of Monopsony Power, Bilateral Monopoly.	12
<b>UNIT-III (Market with Power – Monopolistic</b>	Monopolistic Competition: Equilibrium in the short run and long run; Economic Efficiency and Monopolistic Competition Oligopoly: Equilibrium – Cournot and Bertrand Model, Competition vs. Collusion	13

<b>Competition and Oligopoly):</b>		
<b>UNIT-IV (Factor Market Analysis and Welfare Economics):</b>	Price and Employment of Factor Inputs in Competitive Factor Market. Pareto Optimality of Competitive Markets, Aggregation of Preferences and Social Welfare Function.	13
<p><i>Suggested Readings:</i></p> <ul style="list-style-type: none"> <li>▪ Sampat Mukherjee, <i>Analytical Microeconomics</i>, New Central Book Agency (P) Ltd.</li> <li>▪ Joydeb Sarkhel, <i>Micro Economic Theory</i>, Book Syndicate Pvt. Ltd.</li> <li>▪ Hal R. Varian, <i>Intermediate Microeconomics: A Modern Approach</i>, East- West Press, New Delhi.</li> <li>▪ Koutsoyiannis, <i>Modern Micro Economics</i>, Macmillan, London</li> <li>▪ Montosh Chakraborty, <i>Byastik Arthaniti</i>, Dhakeswary Library, Dhaka.</li> <li>▪ H.L. Ahuja, <i>Advanced Economic Theory</i>, S.Chand &amp; Company Ltd.</li> <li>▪ Sampat Mukherjee &amp; Debesh Mukherjee, <i>Samakalin Arthabidya</i>, New Central Book Agency (P) Ltd.</li> <li>▪ Satya R. Chakraborty, <i>Microeconomics</i>, Allied Publishers Pvt Ltd.</li> <li>▪ Joydeb Sarkhel, <i>Adhunik Arthanitir Bhumika</i>, Book Syndicate Pvt. Ltd.</li> <li>▪ N. Gregory Mankiw, <i>Principles of Microeconomics</i>, 6th Edition, New Delhi: Cengage Learning India (Pvt.) Ltd.</li> <li>▪ Salvatore. D, <i>Microeconomics</i>, Schaum Series</li> </ul>		
Suggested Continuous Evaluation Methods:		
Assignment /Test/Quiz (MCQ)/Presentations		
Suggested equivalent online:		
Swayam,		

**Syllabus for Economics Major 4 (Part of SEM 2)**

Programme/Class Degree: BA	Year: First	Semester: Two
<b>Subject: Economics (Major)</b>		
Course Code: EC202C	<b>Course Title: Macroeconomics</b>	
Course Objective	To give an understanding about the <ul style="list-style-type: none"> <li>• The theories of employment</li> <li>• behaviour of the consumers</li> <li>• Investment patterns and features</li> <li>• Various types of Inflation and cyclical behaviour of the economy</li> </ul>	
Course Outcome	Students will learn about the various aspects of Macroeconomics- <ul style="list-style-type: none"> <li>• including the differences in the classical and Keynesian approaches</li> <li>• the consumption behavior of the people</li> <li>• the approaches to investment</li> <li>• inflation and its dynamics</li> <li>• Business cycle fluctuations</li> </ul>	

Credits: 04	Core Compulsory	
Max. Marks: 100	Min. Passing Marks: 40	
Keywords		
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I: <b>Theory of Employment</b>	Classical Theory of Employment, its criticism and Keynesian Revolution. The Theory of Effective Demand; Determination of Simple Keynesian Equilibrium; The IS-LM Framework and Complete Keynesian Model.	15
UNIT-II: <b>Consumption Function</b>	Keynesian's psychological law of consumption, factor effecting law of consumption, Relative Income Hypothesis, Permanent Income Hypothesis, Lifecycle Hypothesis.	12
UNIT-III: <b>Investment Function</b>	Investment Function - MEC and MEI; Keynesian multiplier, Accelerator and the Super Multiplier.	11
UNIT-IV: <b>Inflation and Business Cycle</b>	Inflation: Demand Pull and Cost Push Theories, Effects of Inflation on Production and Distribution, Anti-Inflationary Policy. Business Cycle: Meaning and Characteristics; Hawtrey's Theory of Trade Cycle	12
<b>Suggested Readings:</b>		
<ul style="list-style-type: none"> <li>▪ Rana and Verma, Macroeconomic Analysis, Vishal Publication</li> <li>▪ Ahuja, H.L., Macroeconomics: Theory and Policy, S. Chand &amp; Co, New Delhi</li> <li>▪ N. Gregory Mankiw, <i>Principles of Macroeconomics</i>, 6th Edition, New Delhi: Cengage Learning India (Pvt.) Ltd.</li> <li>▪ Shapiro, E. <i>Macroeconomic Analysis</i>, New Delhi: Galgotia Publications Pvt. Ltd.</li> <li>▪ Dornbusch, R. and F. Stanley, <i>Macroeconomics</i>, New York: McGrawHill, Inc.</li> <li>▪ Froyen – Macro Economics Theories and Policies, Prentice Hall</li> <li>▪ Branson – Macroeconomics, W. W. Norton &amp; Company</li> <li>▪ Barro – Macroeconomics, The MIT Press</li> <li>▪ Sampat Mukharjee – Analytical Macroeconomics New Central Book agency (P) Ltd.</li> </ul>		

## Syllabus for Economics Minor 2 (Part of SEM 2)

Programme/Class Degree: BA	Year: First	Semester: Two
<b>Subject: Economics (Minor)</b>		
Course Code: EC201M	<b>Course Title: Indian Economy</b>	
Course Objective	To give an understanding about the <ul style="list-style-type: none"> <li>• Sectoral distribution, poverty measures and demographic features</li> <li>• Primary, secondary and tertiary sector of the country</li> <li>• Role of public sector and Indian financial system</li> <li>• External sector and evolution of planning in the country</li> </ul>	
Course Outcome	Students will learn about the nature of the Indian economy and its problems. This will help them understand and analyze the changes of different indicators of Indian economy using basic economic tools.	
Credits:	Core Compulsory	
Max. Marks: 100	Min. Passing Marks: 40	
Keywords		
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I:  Structure and Trends of Indian Economy	Features of Indian Economy; Sectoral Distribution of National Income & Its Significance  Poverty: Extent, Causes & Measures to eradicate Poverty; Unemployment: Types, Causes & Government Policy Initiatives  Demographic: Features, Trend and Problems; inter-state demographic variation with respect to major economic indicators	12
UNIT-II:  Primary, Secondary & Tertiary Sectors	Farm Size & Productivity; Land Reform: Nature & Scope, Objectives, Programmes, Achievements & Failures; Green Revolution: Salient Features, Impact; WTO and Indian Agriculture  Industrial development during planned period, Industrial Policies, Growth and problems of MSME; Industrial Productivity and Reforms  Composition, Trends of Service sector and its role in Indian Economic Development in terms of Employment and GDP	12

<p>UNIT-III:  Public Sector &amp; Indian Financial System</p>	<p>Public Sector: Role and Performance ; Disinvestment Policy  Features of Indian Tax System &amp; Role of Indirect Taxation; GST and related issues; Centre—State financial relation  Reserve Bank of India: Functions, Role &amp; Present Monetary Policy; Commercial Banks: Nationalisation, Merger &amp; Acquisition and its role in Indian Economy, Indian Financial Market: Stock Market and SEBI</p>	<p align="center">13</p>
<p>UNIT-IV:  External Sector &amp; Planning</p>	<p>Foreign Capital: Need, Importance &amp; Weakness; FDI and FII;  Trade: Composition &amp; Trends; Export Promotion &amp; Import Substitution; Issue of Globalisation &amp; Its Consequences  Economic Planning: Features, Rationale &amp; Objectives; Reappraisal of Planning; NITI Aayog: Features, Role &amp; Objectives</p>	<p align="center">13</p>

**Suggested Readings:**

1. R. Dutt & K.P.M. Sundaram – Indian Economy, S. Chand & Co. Delhi (Latest ed.)
2. Mishra & Puri – Indian Economy, Himalaya Publishing House, Mumbai (Latest ed.)
3. Uma Kapila (ed.) – Indian Economy Since Independence, Academic Foundation, Delhi
4. Swapan Kr. Roy & Jaydeb Sarkhel, *Bharater Arthaniti*, Book Syndicate Private Ltd. (Latest ed.)
5. Debesh Mukherjee, *Samakalin Bharatiya Arthaniti*, New Central Book Agency Pvt. Ltd
6. Jean Dreze and AmartyaSen - *An Uncertain Glory: India and its Contradictions*, Princeton University Press (2013)
7. Mihir Rakshit - *Macroeconomics of Post-Reform India* (2011)
8. Kaushik Basu and A. Maertens (Eds) - *The New Oxford Companion to Economics in India*, Oxford University Press (2013)
9. L.M.Bhole and J.Mahakud - *Financial Institutions and Markets: Structure, Growth & Innovation* (6th Edition, 2017)

Online study material:

1. Economic and Political Weekly, Various Issues.
2. Govt. of India – Economic Survey, Various Years.
3. Ghate,C. and S.Wright (2012). The ‘V-Factor’: Distribution, Timing and Correlates of the Great Indian Growth Turnaround. *Journal of Development Economics*, Vol.99, pp. 58-67.
4. Ahluwalia,M.S (2000). State Level Performance Under Economic Reforms in India. Presented at the Centre for Research on Economic Development and Policy Reform Conference on Indian Economic prospects: Advancing Policy Reform, May 2000; Stanford University
5. <http://www.niti.gov.in/>
6. <https://www.sebi.gov.in/>

## Syllabus for Economics Major

Programme / Degree: BA	Year: Second	Semester: Third
<b>Subject: Economics (Major)</b>		
Course Code: EC301C	<b>Course Title: Development Economics</b>	
Course Objectives	<ul style="list-style-type: none"> <li>▪ To equip students with the essential concepts and tools of development economics.</li> <li>▪ To make them understand the issues and concerns of economic development, and find insights into the theories of economic development.</li> <li>▪ To enabling the learners conceptual clarity, strengthening theoretical foundations and critical thinking.</li> </ul>	
Course Outcome	<p>The Course will help the learners to</p> <ul style="list-style-type: none"> <li>• Develop comprehensive understanding of the meaning, issues and theories of economic development.</li> <li>• Understand the concepts of poverty, inequality and development strategies, as well as characteristics of underdevelopment.</li> <li>• Conceptualize the issues of sustainable development and future strategies.</li> </ul>	
Credits: 04	Core Compulsory	
Max. Marks: 100	Min. Passing Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>UNIT-I:</b> <i>Economic Development – Concepts &amp; Measurements</i>	Economic growth and Economic Development; Measuring Economic Development – Income Measure, Basic Needs Approach, Physical Quality of Life Index, Human Development Index – Its alternative forms and critique; Comparing development trajectories across and within nations.	12
<b>UNIT-II:</b> <i>Macro Characteristics of Underdevelopment</i>	Basic theories of development – Adam Smith, David Ricardo, Malthus; Lewis theory of unlimited supplies of labour and its extension by Ranis-Fei; Harris-Todaro theory of rural-urban migration.	12
<b>UNIT-III:</b> <i>Poverty, Inequality &amp; Development Strategies</i>	Poverty – conceptual issues and measurements, functional effects; Inequality – conceptual and measurement issues (Lorenz curve, Gini-coefficient and Kuznets’ inverted-U hypothesis); Stages of economic growth: Marx and Rostow; Vicious circle of poverty and the critical minimum effort hypothesis; Big push theory; Balanced vs. unbalanced growth, Choice of technique and investment criteria.	14
<b>UNIT-IV:</b> <i>Sustainable Development</i>	Concept of Sustainable development – weak and strong sustainability; Environment externalities and state regulations; Common property rights; Environmental accounting; Poverty and environment, Millennium Development Goals and Sustainable Development Goals, Agenda 2030 and their critical appraisal.	12

**Suggested Readings:**

1. Barro, R. & Xavier Sala-i-Martin, *Economic Growth*, The MIT Press
2. Basu, K., *Analytical Development Economics: The Less Developed Economy Revisited*, OUP
3. Hayami, Y. and Godo, Y., *Development Economics: From Poverty to Wealth of Nations*, Oxford University Press.
4. Meier G.M., *Leading Issues in Economic Development*, Oxford University Press, New Delhi, latest edition.
5. Ray, Debraj, *Development Economics*, Oxford University Press, latest edition.
6. Thirlwall, A.P., *Economics of Development: Theory and Evidence*. Palgarve Macmillan
7. Todaro Michael P & Smith Stephen C., *Economic Development*, Pearson
8. World Bank. *World Development Report*, Selected Years.

### Syllabus for Economics Major VI (Semester 3<sup>rd</sup>)

Programme/Class Degree: BA	Year: Second	Semester: 3 <sup>rd</sup>
<b>Subject: Economics (Major), Paper - VI</b>		
Course Code: EC302C	<b>Course Title: Indian Economic Policies</b>	
Course Objectives	The objective of course is to provides a comprehensive overview of India's economic policies since independence, with a focus on the rationale, impact, and effectiveness of these policies. The course will cover a wide range of topics, including industrial policy, agricultural policy, trade policy, fiscal policy, monetary policy, and social policy.	
Course Outcome	<ul style="list-style-type: none"> <li>• The course will help to develop a comprehensive grasp of India's economic policy landscape, tracing its evolution from independence to the present day.</li> <li>• It will help to articulate the underlying rationale behind the key economic policies implemented by the Indian government.</li> <li>• It will help to analyse the impact of these policies on the Indian economy, examining both macroeconomic performance and distributional effects.</li> <li>• It will help to evaluate the effectiveness of these policies in addressing India's economic challenges and achieving its development goals.</li> </ul>	
Credits: 04	Core Compulsory	
Full Marks: 100	Minimum Pass Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I: Sectoral Policy & Sustainable Development	<ul style="list-style-type: none"> <li>• Strategies of agricultural development in India; Agricultural price policy; Agricultural subsidy;</li> <li>• Government's policy towards public sector; Deindustrialisation in India; New economic policy; Social security measures;</li> <li>• Examining policy interventions for promoting sustainable development, addressing climate change, and promoting green industries</li> </ul>	12
UNIT-II: Fiscal Policy & Monetary Policy	<ul style="list-style-type: none"> <li>• Public revenue and expenditure in India; Centre-state financial relation</li> <li>• Recent monetary policy of Reserve Bank of India: Recent reforms in Indian money market and capital market; Demonetisation in India</li> </ul>	12
UNIT-III: Social Policy & Inclusive	<ul style="list-style-type: none"> <li>• Addressing poverty, inequality and unemployment in India: policy measures, effectiveness, and challenges</li> <li>• Education and health care policies and their contribution to human resource development</li> </ul>	12

Development		
UNIT-IV: Trade Policy & Global Integration	<ul style="list-style-type: none"> <li>• India's foreign trade policy; Special Economic Zones; Policies of export promotion and import substitution; India's balance of payments: causes of deficits &amp; policy measures</li> <li>• Globalisation of Indian economy; WTO and its impact on Indian economy</li> </ul>	12
<b>Suggested Readings:</b>		
<ol style="list-style-type: none"> <li>1. Isher Judge Ahluwalia &amp; Om Prakash Mathur - "Indian Economy: Issues and Policies", Sage Publications</li> <li>2. S. R. K. Rao - "Indian Economic Policy: An Analytical Framework." Oxford University Press</li> <li>3. World Bank - "India: An Economic Overview." World Bank, 2022.</li> <li>4. Gaurav Datt &amp; Ashwani Mahajan – “Indian Economy”, S. Chand &amp; Co. Delhi</li> <li>5. Mishra &amp; Puri – “Indian Economy”, Himalaya Publishing House, Mumbai</li> <li>6. Debesh Mukherjee – “Indian Economy Since Independence”, New Central Book Agency Pvt. Ltd</li> <li>7. Uma Kapila (ed.) – “Indian Economy Since Independence”, Academic Foundation, Delhi</li> <li>8. Government of India – “Economic Survey (Current Issues)”, Ministry of Finance, Government of India</li> <li>9. Jaydeb Sarkhel &amp; Seikh Selim – “<i>Bharitiya Arthaniti</i>”, Book Syndicate Private Ltd.</li> <li>10. Swapan Kr. Roy &amp; Jaydeb Sarkhel – “<i>Bharater Arthaniti</i>”, Book Syndicate Private Ltd.</li> <li>11. Debesh Mukherjee – “<i>Samakalin Bharatiya Arthaniti</i>”, New Central Book Agency Pvt. Ltd</li> </ol>		

### Syllabus for Economics Minor III (Semester 3<sup>rd</sup>)

Programme/Class Degree: BA	Year: Two	Semester: 3 <sup>rd</sup>
<b>Subject: Economics (Minor)</b>		
Course Code: EC301M	<b>Course Title: Economic History of India and Basic Statistics</b>	
Course Objective	<ul style="list-style-type: none"> <li>▪ This course analyses and investigates the key aspects and knowledge of colonial history of Indian economy during the second half of British rule.</li> <li>▪ This course links directly to the course on India's economic development before independence.</li> <li>▪ To familiarize the students with the knowledge of basic Statistics that have become indispensable in the study of economic theory at the undergraduate level.</li> <li>▪ To impart the knowledge of Statistical tools in Economics to the learners and to equip them with quantitative techniques, as the use of statistical methods in social sciences is increasing over the years.</li> <li>▪ To teach Statistics so that students can easily comprehend and quantify the relationships among different variables to forecast future economic activities and business decision.</li> <li>▪ To introduce the students to the knowledge of collection and presentation of data in a scientific manner.</li> </ul>	
Course Outcome	<ul style="list-style-type: none"> <li>▪ The learners will gain knowledge about nature and status of the colonial economy of India.</li> <li>▪ The historical knowledge of Indian agriculture, industry and basic infrastructure during the British period will be learned by the students.</li> <li>▪ The knowledge on statistics will upgrade the quantitative skills among the students which will help them in their real life phenomena in an understandable and logical way.</li> <li>▪ Learning about basic statistics will provide the analytical foundations necessary for further study of a variety of multi-disciplines including Economics, Commerce, Political Science, Finance, Business Management and Data Analytics.</li> </ul>	

	<ul style="list-style-type: none"> <li>▪ These tools are necessary for anyone seeking employment as an analyst, manager, planning, business decision making, policy making etc in the corporate world.</li> <li>▪ This paper will provide the students an efficient means of constructing mental self-discipline and encourage logical reasoning and mental rigor.</li> </ul>	
Credits: 04	Core Compulsory	
Max. Marks: 100	Min. Passing Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I: (British Rule and Indian Economy):	Colonialism— Meaning, Basic Features of Colonialism in India; Stages of British Rule in India; Consequences of the British Rule; Commercialization of Indian Agriculture; Deindustrialization: Features, Causes & Effects; The Decline of Handicrafts in India; Economic Drain.	08
UNIT-II: (Aspects of British Imperial Policy):	Land Tenure System & Agricultural Policy— Land Revenue Arrangement; The Zamindari System, The Permanent Settlement, Ryotwari System, Mahalwari System or Communal System Irrigation System in British India; India's Railways— Old & New Guarantee System, Effects of Railway Development; Railway vs Irrigation. Problems of Some Large scale Industries— Cotton Textile, Jute, Iron and Steel; Managing Agency System	10
UNIT-III: (Basic Concepts & Frequency Distribution):	Basic Concepts—Meaning of Statistics and its importance in Economics; Variable and Attribute; Collection and Presentation of Data; Primary and Secondary Data; Questionnaires; Population and Sample; Classification; Tabulation Frequency Distribution— Meaning; Frequency distribution of an attribute, discrete and continuous variables; Grouped and ungrouped frequency distribution; useful terms associated with grouped frequency distribution; Construction of frequency distribution ; Cumulative Frequency Distribution; Histogram, Step Diagram, Cumulative frequency Polygon or Ogive	11

	Charts and Diagrams— Types of Charts and Diagram; Line Diagram, Logarithmic Diagram, Bar Diagram, Pie Diagram, Pictogram—their uses, advantages and Disadvantages; Frequency Curve	
UNIT-IV: (Central Tendency, Dispersion & Correlation-Regression )	Measures of Central Tendency— Meaning and importance; AM, GM, HM, Median, Mode—Definition, Properties; Methods of calculation; Advantages and Disadvantages of Mean, Median and Mode. Measures of Dispersion— Meaning and importance; Range, Quartile Deviation, Mean Deviation, Standard Deviation— meaning, properties, Relationship; Methods of calculation; Coefficient of variation; Moments, Skewness and Kurtosis Correlation and Regression— Concept of Bivariate data and Bivariate frequency distribution, Scatter Diagram; Pearson’s Linear or Simple correlation coefficient and its properties, Calculation of Simple correlation coefficient; Regression and its properties.	11

**Suggested Readings for Indian Economic History:**

- 1) Jaydeb Sarkhel and Sekh Selim (2022) — Bharatio Arthonity, Book Syndicate (P) Ltd
- 2) Debesh Mukharjee— *Indian Economic History*, New Central Book Agency (P) Ltd.
- 3) Ranesh Roy— *Oupanibeshik Bharater Rashtriya Arthaniti*, Progressive Publishers.
- 4) Barun Chakraborty— *Bharater Sankhipta Arthanaitik Itihas*, Pashchimbanga Rajya Pustak Parsad.
- 5) Basudev Chatterjee—*Trade, Tariffs and Empire*, Oxford University Press
- 6) Dhiresb Bhattacharjee— *Bharater Samkshipta Itihas*, Pashchimbanga Rajya Pustak Parsad.
- 7) Dharma Kumar – *The Cambridge Economic History*. Orient Longman, New Delhi.
- 8) G. Kaushal—*Economic History of India (1757-1966)*, Kalyani Publishers.
- 9) Irfan Habib— *Bharater Arthonity (1858-1914)*, Pashchimbanga Rajya Pustak Parsad.
- 10) J. Krishnamurty—Occupational Structure, in Dharma Kumar (Editor), *The Cambridge Economic History of India*, Vol. II, 2005.
- 11) R C Dutt— *The Economic History of India under Early British Rule*. Routledge, London
- 12) S. Desai. & N. Bhalerao –*Economic History of India*, Himalaya Publishing House
- 13) Sumit Sarkar— *Modern India 1885-1947*. Pearson, India
- 14) Tirthankar Roy— *The Economic History of India (1857-1947)*, Oxford University Press.

**Suggested Readings for Statistics:**

- 1) Jaydeb Sarkhel & Santosh Kumar Dutta—*An Insight into Statistics*, Book Syndicate Private Limited
- 2) Jaydeb Sarkhel & Santosh Kumar Dutta—*Rashibighyaner Bhumika*, Book Syndicate Private Limited.
- 3) N.G. Das— *Statistical Methods (Volume-I & II)*, The McGraw-Hill Companies.
- 4) S. C. Gupta—Fundamentals of Statistics, Himalaya Publishing House, Delhi

Programme/Class Degree:	Year: Second	Semester: Second
<b>Subject: Economics (Elective)</b>		
Course Code: EC301	<b>Course Title: Elementary Economics - II</b>	
Course Objective:	To give an understanding about the <ul style="list-style-type: none"> <li>• To understand the basic knowledge about Economics</li> </ul>	
Course Outcome:	<ul style="list-style-type: none"> <li>• Students will learn about the basic concepts about economics and especially Macro Economics</li> <li>• Students will learn about the SDGs</li> </ul>	
Credits:	03	
Max. Marks: 100	Min. Passing Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I:	An overview of Indian Economy, Sectoral aspects of Indian Economy, Challenges in Indian Economy, Indian Economy in Global context	10
UNIT-II:	Concept of National Income and related aggregates, Measurement of National Income, Concept of Consumption, Investment and Savings	10
UNIT-III:	Concept of Fiscal and Monetary Policy and their instruments, Concepts of Govt. Revenue and its types, Concept of Govt. Expenditure, Govt. Budget	10
UNIT-IV:	Environment and Sustainable Development, Concept of green GDP, Sustainable Development Goals	10
<b>Suggested Readings:</b>		
1. PA Samuelson: Foundations of Economics, 9th edition, Pearson.		
Online study material:		
Suggested Continuous Evaluation Methods: Assignment / Test / MCQ Assignment /Test/Quiz(MCQ)/Presentations		

### Syllabus for Economics Major VII (Semester 4<sup>th</sup>)

Programme/Class Degree: BA	Year: Second	Semester: 4 <sup>th</sup>
<b>Subject: Economics (Major), Paper - VII</b>		
Course Code: EC401C	<b>Course Title: Statistical Methods – I</b>	
Course Objective:	<ul style="list-style-type: none"> <li>▪ To impart the knowledge of Statistical tools in Economics to the learners</li> <li>▪ To introduce the students to the knowledge of collection and presentation of data in a scientific manner</li> <li>▪ To teach Statistics so that students can easily comprehend and quantify the cause and effect relationships among different variables.</li> </ul>	
Course Outcome:	<ul style="list-style-type: none"> <li>▪ The learners will learn about the basic concepts of Statistics which are minimum requirement for studying Economics and also for social science research.</li> <li>▪ This course introduces the student to collection and presentation of data. It also discusses how data can be summarized and analyzed for drawing statistical inferences.</li> <li>▪ The course will upgrade the quantitative skills among the students which will help them in their real life phenomena in an understandable and logical way.</li> <li>▪ These tools are necessary for anyone seeking employment as an analyst, manager, planning, business decision making, policy making etc in the corporate world.</li> </ul>	
Credits: 04		
Full Marks: 100	Minimum Pass Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I: Basic Concepts	Meaning of Statistics and its importance in Economics; Variable and Attribute; Collection and Presentation of Data; Primary and Secondary Data; Questionnaires; Population and Sample; Classification; Tabulation Types of Charts and Diagram; Line Diagram, Logarithmic Diagram, Bar Diagram, Pie Diagram, Pictogram - their uses, advantages and Disadvantages; Frequency Curve	08
UNIT-II: Frequency Distributions & Measures of Central Tendency	Meaning; Frequency distribution of an attribute, discrete and continuous variables; Grouped and ungrouped frequency distribution; useful terms associated with grouped frequency distribution; Construction of frequency distribution ; Cumulative Frequency Distribution; Histogram, Cumulative frequency Polygon or Ogive  Measures of Central Tendency: Meaning and importance; AM, GM, HM,	10

	Median, Mode—Definition, Properties; Methods of calculation; Advantages and Disadvantages of Mean, Median and Mode.	
UNIT-III: Dispersion, Correlation & Regression	Measures of Dispersion: Meaning and importance; Range, Quartile Deviation, Mean Deviation, Standard Deviation— meaning, properties, Relationship; Methods of calculation; Coefficient of variation Basic concepts of Moments, Skewness and Kurtosis Correlation and Regression: Concept of Bivariate data and Bivariate frequency distribution, Scatter Diagram; Pearson’s Linear or Simple correlation coefficient and its properties, Calculation of Simple correlation coefficient; Regression and its properties.	12
UNIT-IV: Index Numbers	Index Numbers: Meaning of Index Numbers, Problems in construction of Index Numbers, Methods of construction of Index Numbers, Quantity Index Numbers Tests of Index Numbers, Chain Base Method, Cost of Living Index Numbers Base shifting, Splicing, Deflation, Errors in Index Number.	10
<p><b>Suggested Readings:</b></p> <ol style="list-style-type: none"> <li>1) Jaydeb Sarkhel &amp; Santosh Kumar Dutta—<i>An Insight into Statistics</i>, Book Syndicate Private Limited</li> <li>2) Jaydeb Sarkhel &amp; Santosh Kumar Dutta—<i>Rashibighyaner Bhumika</i>, Book Syndicate Private Limited.</li> <li>3) N.G. Das— <i>Statistical Methods (Volume-I &amp; II)</i>, The McGraw-Hill Companies.</li> <li>4) S. C. Gupta—<i>Fundamentals of Statistics</i>, Himalaya Publishing House, Delhi</li> </ol>		
<p>Suggested Continuous Evaluation Methods: Assignment / Test / MCQ</p> <p>Assignment /Test/Quiz(MCQ)/Presentations</p>		

### Syllabus for Economics Major VIII (Semester 4<sup>th</sup>)

Programme/ Class Degree: BA	Year -2 : Semester-IV	
<b>Subject: Economics (Major) Paper-VIII</b>		
Course Code: EC402C	<b>Course Title: Money, Banking and Finance</b>	
Course Objective:	<ul style="list-style-type: none"> <li>• To impart the knowledge about the concept of money, banking, and theories of money.</li> <li>• To analyze the operation of Monetary Policy of India</li> <li>• To analyze the mode of Digital Payments in India</li> <li>• To study the role of Central Bank in the development of the country.</li> </ul>	
Course Outcome:	<ul style="list-style-type: none"> <li>• To understand the different aspects of demand for money and supply of money.</li> <li>• To examine the role and relevance of Banking.</li> <li>• To understand the progress of e-payment mechanism in India.</li> <li>• To understand the working of the monetary policy of the Central Bank of a Country</li> <li>• To understand the concepts of investment, financing and role of financing</li> </ul>	
Credits: 04		
Full Marks: 100	Minimum Pass Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
Unit-I: Money	<p>Concept of Money: Forms, Functions and Significance of Money; Concept of Monetary Standards: Metallic Standard, Gold Standard and Paper Standard;</p> <p>Supply of Money: Sources of Money Supply, Measures of Money Supply in India, Concepts of High Powered Money and Money Multiplier – Determinants of Money Supply.</p> <p>Demand for Money: Fisher’s Version of Cash Transactions Approach, Cambridge Version of Cash Balances Approach, Keynesian Approach.</p>	10
Unit-II: Banking	<p>Banking: Meaning and Types of Banks, Types of Deposits – Savings, Current, Fixed and Recurring.</p> <p>Commercial Banking: Functions, Process of Credit Creation and Its Limitations, Credit Multiplier.</p> <p>Modern Functions of Banks (Concepts): Internet Banking, Mobile Banking -Types of Cards: Credit Cards, Debit Cards, Smart Cards, ATM Cards - Personal Identification Number (PIN); Electronic Fund Transfer - Electronic Clearing Services, NEFT, RTGS, and IFSC.</p>	10

Unit-III: Central Banking	<p>Concepts: Central Bank, Difference between Central bank and Commercial Bank, Bank Rate, Open Market Operations, Cash Reserve Ratio, Statutory Liquidity Ratio, Credit Ceiling, Moral Suasion, Repo Rate, Reverse Repo Rate.</p> <p>Functions of Central Bank, Quantitative and Qualitative Methods of Credit Control.</p> <p>Monetary Policy: Instruments of Monetary Policy of the Central Bank of a Country; Monetary Policy during Inflation; Current Monetary Policies Adopted by Reserve Bank of India (RBI).</p>	10
Unit-IV: Finance	<p>Role of financial markets, Financial instruments, Basic theory of interest; discounting and present value; Asset pricing- internal rate of return; evaluation criteria; fixed-income securities; bond prices and yields; interest rate sensitivity</p> <p>Random asset returns; portfolios of assets; portfolio mean and variance; feasible combinations of mean and variance; mean-variance portfolio analysis, Concept of Stock market and derivatives, Corporate Finance</p>	10
<p>Suggested Readings:</p> <ol style="list-style-type: none"> <li>1. Suraj B. Gupta, <i>Monetary Economics: Institutions, Theory and Policy</i>, S. Chand &amp; Co., New Delhi.</li> <li>2. D N Dwivedi, <i>Macroeconomics: Theory and Policy</i>, Tata McGraw-Hill Publishing Company Limited, New Delhi.</li> <li>3. Thomas E. Copeland, J. Fred Weston and Kuldeep Shastri, <i>Financial Theory and Corporate Policy</i>, Prentice Hall, 4th edition, 2003.</li> <li>4. D. M. Mithani, <i>Money, Banking, International Trade and Public Finance</i>, Himalaya Publishing House, New Delhi.</li> <li>5. R. R. Paul, <i>Monetary Economics</i>, Kalyani Publishers, New Delhi.</li> <li>6. Zvi Bodie, Alex Kane a. &amp; Alan J Marcus (2021). <i>Investments</i> (12th ed.). McGraw-Hill.</li> <li>7. Zvi Bodie, Alex Kane a. &amp; Alan J Marcus (2021). <i>Essentials of Investments</i> (12th ed.). McGraw-Hill.</li> <li>8. Panchanan Das, Anindita Sengupta, Swapan Samanta, <i>Economics II</i>, Oxford University Press, New Delhi.</li> <li>9. Joydeb Sarkhel, <i>Adhunik Arthanitir Bhumika</i>, Vol.2, Book Syndicate Private Limited, Kolkata.</li> </ol>		

### Syllabus for Economics Minor IV (Semester 4<sup>th</sup>)

Programme/Class Degree: BA	Year: Second	Semester: 4 <sup>th</sup>
<b>Subject: Economics (Minor)</b>		
Course Code: EC401M	<b>Course Title:</b> Intermediate Microeconomics	
Course Objective:	<ul style="list-style-type: none"> <li>• To introduce the students to Utility Analysis.</li> <li>• To introduce the theory of production- isoquants, isocosts, producer equilibrium.</li> <li>• To familiarize the students with the theory of cost, relation between marginal cost and average cost, derivation of short run and long run average cost curve.</li> <li>• To familiarize the students with the working and nature of markets and analysis of factor market.</li> </ul>	
Course Outcome:	<ul style="list-style-type: none"> <li>• The students get familiarized with the basics of Utility Analysis</li> <li>• The students are able to understand the theory of production- isoquants, isocosts, producer equilibrium.</li> <li>• The students learn and understand the theory of cost, relation between marginal cost and average cost, derivation of short run and long run average cost curve.</li> <li>• The students come to know about the concept of market, its different structures and analysis of factor market.</li> </ul>	
Credits: 03		
Full Marks: 100	Minimum Pass Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I: Introduction to Utility Analysis	Cardinal & Ordinal Utility; Law of Diminishing Marginal Utility; Marshallian Utility Analysis; Derivation of Demand Curve. Concepts & Properties of Indifference Curve & Budget Line; consumer's equilibrium. Decomposition of Price effect into Income and Substitution effect; Ordinary & Compensated Demand curves; Price consumption curve and Giffen good; Income consumption curve and Engel curve.	
UNIT-II: Introduction to Production & Cost	Concepts & Properties of Isoquant & Isocost Line; Concept of MRTS; Producer's Equilibrium; Elasticity of substitution; Ridge Lines & Economic Zone; Expansion Path of a Firm.  Cost Minimization and output Maximization; Concept of Production Possibility Curve & MRT.  Cost of Production: Social, Opportunity, Economic, Implicit, Explicit & Real; Concepts & Classifications of Economic Costs; Relation between MC & AC; Derivation of SAC & LAC.	

UNIT-III: Market and its types	Perfect competition: Features, Price and output determination under perfect competition (Short & Long Run), Imperfect competition- Monopoly, Price and output determination under monopoly (Short & Long Run), Monopolistic competition- Features, Oligopoly- Features	10
UNIT-IV: Analysis of Factor Market	Determination of Rent: Ricardian Theory and Modern Theory; Concept of quasi-rent Money wage and real Wage; Marginal Productivity Theory of Wages Theory of Interest: Gross Interest and Net Interest; Three Components of Demand for Money and Keynesian Liquidity Preference Theory; Liquidity Trap Concepts of gross and Net profits; Normal and Supernormal Profits; Distinction between Risk and Uncertainty	10
<b>Suggested Readings:</b> <ul style="list-style-type: none"> <li>▪ Koutsoyiannis, <i>Modern Micro Economics</i>, Macmillan, London.</li> <li>▪ H.L. Ahuja, <i>Advanced Economic Theory</i>, S.Chand &amp; Company Ltd.</li> <li>▪ M.L Jhingan, <i>Micro Economic Theory</i>, Vrinda Publications Pvt. Ltd.</li> <li>▪ Sampat Mukherjee, <i>Analytical Microeconomics</i>, New Central Book Agency (P) Ltd.</li> <li>▪ Joydeb Sarkhel, <i>Micro Economic Theory</i>, Book Syndicate Pvt. Ltd.</li> <li>▪ Montosh Chakraborty, <i>Byastik Arthaniti (Moulik)</i>, Dhakeswary Library, Dhaka</li> <li>▪ Sampat Mukherjee &amp; Debesh Mukherjee, <i>Samakalin Arthabidya</i>, New Central Book Agency (P) Ltd.</li> </ul>		
Suggested Continuous Evaluation Methods: Assignment / Test / MCQ Assignment /Test/Quiz(MCQ)/Presentations		

Programme/Class Degree: BA	Year: Second	Semester: IV
<b>Subject: Economics (Interdisciplinary)</b>		
Course Code: EC401ID	<b>Course Title: Elementary Economics-III (Indian Economy)</b>	
Course Objectives	The objectives of the course is to provide a comprehensive understanding of the structure, performance, and challenges of the Indian economy	
Course Outcome	Upon completion of this course, students will be able to: <ul style="list-style-type: none"> <li>• Demonstrate knowledge of the key sectors of the Indian economy</li> <li>• Analyse the impact of economic reforms</li> <li>• Identify and analyse current economic issues and challenges</li> <li>• Articulate informed opinions on economic policy matters</li> <li>• Develop critical thinking and analytical skills in the context of Indian economic issues</li> </ul>	
Credits: 04		
Max. Marks: 100	Min. Passing Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I: Overview of the Indian Economy	Indian Economy: Features of underdevelopment National Income of India: Trends and sectoral composition Indian population: Growth, composition & population policies Poverty and Unemployment in India: Estimates, trends & government policies	10
UNIT-II: Agriculture & Industry	Agriculture: Importance; Trends in production & productivity; Problems of Indian agriculture; Green Revolution; Land reforms Industry: Growth; New Economic Policy; Disinvestment; Small & cottage industries	12
UNIT-III: Indian Financial System	Indian Public Finance: Features of Indian tax system; Sources of tax revenue; Public expenditure; Deficits in Indian budget; Centre-state financial relation Banking System in India: Role of commercial banks; Role of central bank; Monetary policy of Reserve Bank of India; Securities & Exchange Board of India (SEBI)	12
UNIT-IV: External Sector	Foreign Trade: Composition and direction of India's foreign trade; Balance of payment crisis; India's foreign trade policy; WTO and its impact on Indian economy International Cooperation: FDI & FII; Foreign aid to India; Multinational Corporations	12
<b>Suggested Readings:</b>		
1. Gaurav Datt & Ashwani Mahajan – “Indian Economy”, S. Chand & Co. Delhi 2. Mishra & Puri – “Indian Economy”, Himalaya Publishing House, Mumbai		

3. Debesh Mukherjee – “Indian Economy Since Independence”, New Central Book Agency Pvt. Ltd
4. Uma Kapila (ed.) – “Indian Economy Since Independence”, Academic Foundation, Delhi
5. Government of India – “Economic Survey (Current Issues)”, Ministry of Finance, Government of India
6. Jaydeb Sarkhel & Seikh Selim – “*Bharitiya Arthaniti*”, Book Syndicate Private Ltd.
7. Swapan Kr. Roy & Jaydeb Sarkhel – “*Bharater Arthaniti*”, Book Syndicate Private Ltd.
8. Debesh Mukherjee – “*Samakalin Bharatiya Arthaniti*”, New Central Book Agency Pvt. Ltd
9. Isher Judge Ahluwalia & Om Prakash Mathur - "Indian Economy: Issues and Policies", Sage Publications
10. S. R. K. Rao - "Indian Economic Policy: An Analytical Framework." Oxford University Press
11. World Bank - "India: An Economic Overview." World Bank, 2022.

### Syllabus for Economics Major IX (Semester 5th)

Programme /Class Degree: BA	Year: Third	Semester: 5 <sup>th</sup>
<b>Subject: Economics (Major), Paper IX</b>		
Course Code: EC501C	<b>Course Title: Public Finance</b>	
Course Objective	<ul style="list-style-type: none"> <li>▪ The goal of public economics or public finance is to understand the proper role of the government in the economy from the points of view of economic efficiency and equity.</li> <li>▪ This course involves a formal analysis of government taxation and expenditures as well as public debt.</li> <li>▪ The subject encompasses a host of topics including public goods, market failures and externalities.</li> </ul>	
Course Outcome	<ul style="list-style-type: none"> <li>▪ The Course will help to develop comprehensive understanding of theories of public finance and their applications.</li> <li>▪ The Course will thoroughly comprehend concepts and theories related to Public policy and rational choice.</li> <li>▪ The students will have comprehensive understanding of theories of public expenditure and principles of taxation.</li> <li>▪ The course demonstrates the role of government to correct market failures and possible advantage of public finance.</li> <li>▪ The course will help to understand the possible burden, benefits and distribution of taxes among various classes of people.</li> </ul>	
Credits: 04	Core Compulsory	
Full Marks: 100	Minimum Pass Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>UNIT-I:</b> (Introduction to Public Economics)	Nature, Scope & importance of Public Finance; Public Finance & Private Finance; Public goods & Private goods; Principle of Maximum Social Advantage; Concept, Causes of & remedies to market failure; Lindahl's Model of Public goods; Externalities	12
<b>UNIT-II:</b> (Taxation, Public Revenue & Expenditure)	Sources & classification of Public Revenue; Taxation: Types, Principles, Canons & Burden, Impact & Incidence; Difference, Merits & Demerits of Direct & Indirect Taxes;	14

	VAT & GST; Benefit Principle & Ability to Pay Principle of Taxation. Importance, Objectives & canons of Public Expenditure; Wagner's Law of Public Expenditure	
<b>UNIT-III:</b> (Public Debt)	Public Debt: Meaning, Types, Sources, Objectives & Economic Effects; Public Debt & Private Debt; Burden of internally & externally held Public Debt; Public Debt Management	12
<b>UNIT-IV:</b> (Fiscal Policy & Public Budget)	Fiscal Policy: Meaning, Instruments & Objectives of Fiscal Policy; Role of Fiscal Policy in a Developing Economy; Effects & Limitations of Fiscal Policy; Difference between Fiscal Policy & Monetary Policy Public Budget: Meaning, Types & Objectives; Balanced Budget & its Multiplier	14
<p><b>Suggested Readings:</b></p> <ol style="list-style-type: none"> <li>1. Bagchi, Amaresh (ed), <i>Readings in Public Finance</i>, Oxford University Press.</li> <li>2. Bhatia H.L., <i>Public Finance</i>, Vikas Publishing House</li> <li>3. Ghosh Ambar &amp; Ghosh Chandana, <i>Economics of Public Sector</i>, PHI Learning Private Limited, New Delhi</li> <li>4. Houghton, E. W. (Ed.) (1988), <i>Public Finance</i>, Penguin, Baltimore.</li> <li>5. Jha, R. (1998), <i>Modern Public Economics</i>, Routledge, London.</li> <li>6. Lekhi R.K. &amp; Singh J., <i>Public Finance</i>, Kalyani Publishers</li> <li>7. Mithani, D. M. (1998), <i>Modern Public Finance</i>, Himalaya Publishing House. Mumbai.</li> <li>8. Mukherjee Debesh, <i>Antarjatic Arthaniti o Sarkari Arthaniti</i>, New Central Book Agency, Kolkata</li> <li>9. Musgrave, R. A. &amp; Musgrave P. B. (2017), <i>Public Finance in Theory and Practice</i>, McGraw Hill.</li> <li>10. Rosen H., Gayer T. (2009), <i>Public Finance</i>, 9th ed., McGraw-Hill/Irwin.</li> <li>11. Singh S. K., <i>Public Finance in Theory &amp; Practice</i>, S. Chand &amp; Company, Delhi</li> <li>12. Stiglitz Joseph E. (2000), <i>Economics of the Public Sector</i>, W.W. Norton &amp; Company, 3rd edition, 2000.</li> </ol>		

### Syllabus for Economics Major

Programme/ Degree: B.A.		Year -3 : Semester-V	
<b>Subject: Economics (Major-X) Paper-X</b>			
Course Code: EC 502C	Course Title: Mathematics for Economics		
Course Objective:	<ul style="list-style-type: none"> <li>• To understand the knowledge of quantitative techniques;</li> <li>• To equip students with the mathematical approaches necessary for a proper understanding of the discipline;</li> <li>• To train students to learn the art of economic modeling.</li> </ul>		
Course Outcome:	<ul style="list-style-type: none"> <li>• Understand the quantitative techniques of economic analysis;</li> <li>• Learn the mathematical approaches necessary for a proper understanding of the discipline;</li> <li>• Get training in the art of economic modeling.</li> </ul>		
Credits:	04		
Max. Marks: 100	Min. Pass Marks: 40		
Unit	Topics	No. of Lectures	
Unit-I: Preliminaries	<p>Concepts: Variables, Constants, and Parameters; Equations and Identities; Sets - Use of Elementary Set Notations; Relations and Functions.</p> <p>Functions: Types of Functions (Constant, Linear, Quadratic, Cubic, Rational, Exponential, logarithmic); Graphs and Graphs of Functions – Illustration of Functions in Economics.</p> <p>Concept of Limit, Continuity and Differentiability of a Function.</p>	10	
Unit-II: Elementary Linear Algebra	<p>Matrices: Concept, Matrix Operations (Addition, Subtraction, Multiplication of Matrices), Types of Matrix (Null, Square, Transpose, Identity, Inverse Matrices), Rank of a Matrix.</p> <p>Determinants: Definition, Evaluating Determinants of a (2×2) and (3×3) Matrix; Minors and Cofactors; Concept of Non-singularity.</p> <p>Solution for a simultaneous Linear Equation System by using Matrix Inversion method and Crammer's Rule (Illustrations of the Economic Application to Simple Market Model and National Income Model).</p>	10 (+10 tutorial)	
Unit-III: Differential Calculus	<p>Rate of Change and Derivative; Derivative and Slope of a Curve; Derivatives of Algebraic Functions (Constant, Power, Sum-Difference, Product and Quotient Rule, Implicit and Explicit functions, Exponential and Logarithmic functions), Illustrations of the Application – Finding Marginal and Average Functions; Relationship between Total, Average and Marginal Functions; Elasticity.</p> <p>Chain Rule; Partial Derivative; Application to Simple Market Model and National Income Model; Successive Derivative up to Second</p>	12	

	Order. Maxima and Minima Concepts; Total Derivative; Concept of Optimization; Concavity and Convexity of a Function; Unconstrained Optimization; Use of Lagrange Multiplier in Constrained Optimization with Equality Constraints;	
Unit-IV: Integral Calculus	Indefinite Integration of different types of Functions and Economic Applications – from Marginal Function to Total Function; Definite Integration of simple Algebraic Functions. First order Differential Equations and Difference Equations – Concept with Example.	10
Suggested Readings: 1. Alpha C. Chiang, Kevin Wainwright: Fundamental Methods of Mathematical Economics, McGraw Hill, New Delhi. 2. Taro Yamane: <i>Mathematics for Economists: An Elementary Survey</i> , PHI Learning Pvt. Ltd., New Delhi.		

### Syllabus for Economics Major

Programme/Degree: BA	Year: Third	Semester: V
<b>Subject: Economics</b>		
<b>(Major)</b>		
Course Code: EC503C	<b>Course Title: Economics of Growth and Environment</b>	
Course Objectives	<ul style="list-style-type: none"> <li>▪ To equip the learners with the vital concepts and tools of growth economics and prepare them to understand what makes economic progress persist.</li> <li>▪ To make them understand the issues and concerns of economic growth through insights on the theories and models of economic growth.</li> <li>▪ To enabling the learners conceptual clarity, theoretical foundation and critical thinking in growth, environment and resource economics.</li> </ul>	
Course Outcome	<p>The Course will help the learners to</p> <ul style="list-style-type: none"> <li>• Develop comprehensive understanding of the meaning and theories of economic growth, importance of natural resource in economics and its management.</li> <li>• Comprehend the issues and challenges of economic growth and sustainable development.</li> <li>• Become familiar with the approaches of growth and resource economics.</li> <li>• Understand the issues of market failures and valuation of environmental resources.</li> </ul>	
Credits: 04	Core Compulsory	
Max. Marks: 100	Min. Passing Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>UNIT-I: Basics of Economic Growth</b>	Concept of growth, measurement issues; factors influencing growth - human capital and demographic characteristics, Rostow's Stages of Growth, Balanced and Unbalanced Growth, Critical Minimum effort Theory	12
<b>UNIT-II: Economic Growth Models</b>	Harrod's model of growth, Domar's model of growth, Solow's neoclassical model of growth; Technical progress: Hicks-neutral, Harrod-neutral, Solow-neutral Technical progress; Endogenous growth models (innovation, imitation and growth): scale and non-scale economies and uneven growth.	14
<b>UNIT-III: Environment &amp; Development</b>	Environment-Economy Interlinkage, Poverty, population and environmental degradation; Environmental Regulations – History, Design, Property Rights and Cosean Bargaining Problem, Domestic Environmental Policy: Indian Experience, Pigouvian taxes and subsidies; Basic concepts of Environmental valuation.	12
<b>UNIT-IV: Resource Economics</b>	Classification of natural resources - Renewable resources (growth curve and rate of exploitation) and Non-renewable resources (optimal extraction rule); Resource Taxonomy, Managing Exhaustible Resources, Managing Renewable Resources, Market, Free Access and Common	

	Property Resources, Definition of Sustainable Development, Paradigms of Development, Indicators of sustainable development, Sustainable Accounting, Integrated Environmental Accounting; Environmental Kuznets' Curve hypothesis – theory and empirical evidence.	12
<p><b>Suggested Readings:</b></p> <ol style="list-style-type: none"> <li>1. Allen. V. Kneese. <i>Natural Resource Economics: Selected Papers of Allen V. Kneese (New Horizons in Environmental Economics series)</i>, Edward Elgar Publishing Ltd</li> <li>2. Barro, R. &amp; Xavier Sala-i-Martin, <i>Economic Growth</i>, The MIT Press</li> <li>3. Bhattacharya R. N. <i>Environmental Economics: An Indian Perspective</i>, Oxford University Press, India</li> <li>4. G. Hardin. <i>The Tragedy of the Commons</i>, Reprinted in U. Sankar, ed. <i>Environmental Economics</i>, Oxford University Press</li> <li>5. Kolstad, C. D. <i>Intermediate Environmental Economics</i>, Oxford University Press</li> <li>6. Mankiw, N. Gregory. <i>Principles of Macroeconomics</i>, South-Western Cengage Learning</li> <li>7. N. Hanley, J. Shogren and B. White. <i>Introduction to Environmental Economics</i>, CUP</li> <li>8. Perman, R. Et Al., <i>Natural Resource and Environmental Economics</i>, 4<sup>th</sup> Edition, Addison Wesley, 2011</li> <li>9. Sengupta R. <i>Ecology and Economics: An Approach to Sustainable Development</i>, Oxford University Press</li> </ol>		

Programme/Class Degree: BA	Year: Third	Semester: Fifth
<b>Subject: Economics (Major)</b>		
Course Code: EC504C	<b>Course Title: Economic History of India</b>	
Course Objective	<ul style="list-style-type: none"> <li>▪ This course analyses and investigates the key aspects and knowledge of colonial history of Indian economy during the second half of British colonial rule.</li> <li>▪ This course links directly to the course on India's economic development before independence.</li> </ul>	
Course Outcome	<ul style="list-style-type: none"> <li>▪ The course develops critical analytical skills and exposes learners to understanding the intricacies of India's economic, political and social developments in the colonial times.</li> <li>▪ The learners will gain knowledge about nature and status of the colonial economy of India.</li> <li>▪ The performance of Indian agriculture and industry during the British period will be learned by the students.</li> <li>▪ The history of Indian currency, evolution of irrigation and railways infrastructure, drain of wealth as well as international trade and tax system during the colonial period will be better understood.</li> </ul>	
Credits: 04	Core Compulsory	
Max. Marks: 100	Min. Passing Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>UNIT-I:</b> (Colonial India: Background and Introduction)	Colonialism-Meaning, Basic Features of Colonialism in India; Stages of British Rule in India; Consequences of the British Rule on agriculture, industry and trade	08
<b>UNIT-II:</b> (Agricultural Sector)	Commercialization of Indian Agriculture— Concept, Importance and Effect Land Tenure System & Agricultural Policy— Land Revenue Arrangement; The Zamindari System, The Permanent Settlement, Ryotwari System, Mahalwari System or Communal System Irrigation System in British India; India's Railways— Old & New Guarantee System, History of Its Extension, Economic Consequences; Policy, Effects of Railway Development; Railway vs Irrigation. The Great Depression and Indian Agriculture.	11
<b>UNIT-III:</b> (Industrial Sector)	Deindustrialization: Features, Causes & Effects; The Decline of Handicrafts in India; Economic Drain Problems of Some Large scale Industries - Cotton Textile, Jute, Iron	11

	and Steel; Managing Agency System The Great Depression and Indian Industry	
<b>UNIT-IV:</b> (Service Sector)	History of Indian Currency— Commercial Policy; The Policy of Discriminating Protection. Foreign Trade— Introduction; Colonial Pattern of Trade; Imperial Preference; Development of India’s Trade Union Movement; The Great Depression and Indian Foreign Commerce Indian Tax System and Policy during British period	10
<p><b>Suggested Readings:</b></p> <ol style="list-style-type: none"> <li>1) Ranesh Roy— <i>Oupanibeshik Bharater Rashtriya Arthaniti</i>, Progressive Publishers.</li> <li>2) Jaydeb Sarkhel and SekhSelim (2022) — Bharatio Arthonity, Book Syndicate (P) Ltd</li> <li>3) Debesh Mukharjee— Indian Economic History, New Central Book Agency (P) Ltd.</li> <li>4) Barun Chakraborty— <i>Bharater Sankhipta Arthanaitik Itihas</i>, Pashchimbanga Rajya Pustak Parsad.</li> <li>5) Basudev Chatterjee—<i>Trade, Tariffs and Empire</i>, Oxford University Press</li> <li>6) Dhiresb Bhattacharjee—<i>Bharater Samkshipta Itihas</i>, Pashchimbanga Rajya Pustak Parsad.</li> <li>7)Dharma Kumar –<i>The Cambridge Economic History</i>. Orient Longman, New Delhi.</li> <li>8) G. Kaushal—<i>Economic History of India (1757-1966)</i>, Kalyani Publishers.</li> <li>9) Irfan Habib— <i>Bharater Arthonity (1858-1914)</i>, Pashchimbanga Rajya Pustak Parsad.</li> <li>10) J. Krishnamurty—Occupational Structure, in Dharma Kumar (Editor), <i>The Cambridge Economic History of India</i>, Vol. II, 2005.</li> <li>11) R C Dutt—<i>The Economic History of India under Early British Rule</i>. Routledge, London</li> <li>12) S. Desai. &amp; N. Bhalerao—<i>Economic History of India</i>, Himalaya Publishing House</li> <li>13) Sumit Sarkar—<i>Modern India 1885-1947</i>. Pearson, India</li> <li>14) Tirthankar Roy—<i>The Economic History of India (1857-1947)</i>, Oxford University Press.</li> </ol>		

Programme/Class Degree: BA	Year: Third	Semester: Fifth
<b>Subject: Economics (Minor)</b>		
Course Code: EC501M	<b>Course Title: Intermediate Macroeconomics</b>	
Course Objective	<ul style="list-style-type: none"> <li>• To provide an understanding of macroeconomic theories beyond the introductory level.</li> <li>• To develop analytical skills to interpret macroeconomic problems and policies.</li> <li>• To equip students from both Economics and non-Economics backgrounds with accessible yet comprehensive content.</li> </ul>	
Course Outcome	<p>By the end of this course, students will be able to:</p> <ul style="list-style-type: none"> <li>• Explain and analyze key macroeconomic indicators.</li> <li>• Understand macroeconomic models and their policy implications.</li> <li>• Apply theoretical knowledge to real-world macroeconomic issues.</li> </ul>	
Credits:	4 Credits	
Max. Marks:	100	
Keywords	Effective Demand, Consumption Function, Investment Multiplier, Liquidity Preference, Trade Cycle	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I: Theory of Income & Employment	<p>Classical Theory of Income and Employment: Key assumptions; Say's Law; Wage-Price Flexibility; Determination of Output and Employment; Neutrality of Money.</p> <p>Keynesian Theory of Income &amp; Employment: Aggregate Demand and Aggregate Supply, Effective Demand; Determination of Simple Keynesian Equilibrium; Paradox of Thrift.</p>	10
UNIT-II: Consumption & Investment Analysis	<p>Concept of Consumption Function; MPC &amp; MPS; APC &amp; APS; Factors influencing consumption expenditure.</p> <p>Types of Investment: Autonomous &amp; Induced; Determinants of Investment: MEC and MEI; Investment Multiplier; Acceleration Principle</p>	10

<p style="text-align: center;">UNIT-III: Money &amp; Banking Sector</p>	<p>Different concepts of Money (<math>M_1</math>, <math>M_2</math> etc.); Keynesian Concept of Liquidity Preference; Quantity Theory of Money: Fisher's and Cambridge Version.</p> <p>Commercial Banks: Functions with special emphasis on credit creation; Central Bank: Functions with special emphasis on credit control.</p>	10
<p style="text-align: center;">UNIT-IV: Trade Cycle &amp; Inflation</p>	<p>Trade Cycle: Meaning and Characteristics; Hawtrey's Theory of Trade Cycle; Measures to Control Trade Cycles.</p> <p>Inflation: Demand Pull and Cost Push Theories; Effects of Inflation on Production and Distribution; Anti-Inflationary Measures; Concept of Deflation and Stagflation.</p>	10
<p><b>Suggested Readings:</b></p> <ol style="list-style-type: none"> <li>1. Lipsey &amp; Chrystal, Principles of Economics, Oxford University Press</li> <li>2. Mankiw N. Gregory, Principles of Economics, Centage Learning</li> <li>3. Dornbusch, R., Fischer, S., &amp; Startz, R., Macroeconomics. McGraw-Hill Education.</li> <li>4. Jaydeb Sarkhel, Macroeconomic Theory, Book Syndicate Pvt. Ltd.</li> <li>5. H.L. Ahuja, Advanced Economic Theory, S. Chand &amp; Company Ltd.</li> <li>6. M.L. Jhingan, Macro Economic Theory, Vrinda Publications Pvt. Ltd.</li> <li>7. Sampat Mukherjee, Analytical Macroeconomics, New Central Book Agency (P) Ltd.</li> <li>8. Sampat Mukherjee &amp; Debesh Mukherjee, <i>Samakalin Arthavidya</i>, New Central Book Agency (P) Ltd.</li> <li>9. Jaydeb Sarkhel, <i>Adhunik Arthanitir Bhumika</i>, Book Syndicate Pvt. Ltd.</li> <li>10. Ajoy Kumar Nandi, <i>Samasthigoto Arthaniti</i>, B.B. Kundu Grandsons</li> <li>11. Montosh Chakraborty, <i>Samastik Arthaniti</i>, Dhakeswary Library, Dhaka</li> </ol>		

Programme/Class Degree: BA	Year: Third	Semester: VI
<b>Subject: Economics (Minor)- VI</b>		
Course Code:EC301C	<b>Course Title: Economics of NER with special reference to Tripura</b>	
Course Objectives	<ul style="list-style-type: none"> <li>● Provide knowledge on the various facets of the Economy of the NER of India</li> <li>● Enable the students to learn to analyse the growth and development experiences of the region</li> <li>● Highlight the different prospects which can be explored for future</li> </ul>	
Course Outcome	<ul style="list-style-type: none"> <li>● Upon completion of this course, students will be able to:</li> <li>● Demonstrate knowledge of the key sectors of the Indian economy</li> <li>● Analyse the impact of economic reforms</li> <li>● Identify and analyse current economic issues and challenges</li> <li>● Articulate informed opinions on economic policy matters</li> <li>● Develop critical thinking and analytical skills in the context of Indian economic issues</li> </ul>	
Credits: 04		
Max.Marks:100	Min.PassingMarks:40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I: North-East as a Region	Characteristics of the Economy of the North-East India; NEC- role, aims and objectives, critical evaluation; MDONER- role, aims and objectives, critical evaluation Natural Resources- Minerals, Forests, Water & their uses, challenges & prospects Human Resources- Size & growth of Population, Density, Rural-urban ratio, Occupational Distribution, Sex ratio, Age-structure, Life Expectancy, Infant Mortality, Literacy Trend & Composition of the State Domestic Product and per-capita income of different states; reasons for slow growth	9
UNIT-II: Agriculture & Industry	Primary Sector in the NER- Extent & Importance, Production & Productivity of Major Crops, Land Use & Cropping pattern; problems & challenges; Shifting Cultivation & transition Secondary Sector in the NER- Role of Organised and Unorganised Sectors; Extent of Industrial Development, Industrial Policies for NER in the post-reform period; Challenges & problems faced; suggestions to overcome them, SSIs & MSMEs in NER	10
UNIT-III: Emerging Sectors	Tertiary Sector in the NER- Trade & Commerce; Tourism- present status, prospects & problems State of Infrastructure in North-East- Power, Transport, Communication, Banking & Finance- Performance, prospects & challenges; RRBs in NER; International Trade from NER- Status & Prospects of Border-trade with neighbouring countries, Act East Policy- aspects; Border Haats Health & Education- State-wise status SDGs in the NER	13

UNIT-IV: Economy of Tripura	Historical & Geographical background; Economic History of Tripura Developmental Experiences-Growth of the State Economy and Sectors, TTAADC Developmental Interventions- Gumti Hydel Project, Palatana Power Project, JICA, Indo-German Project, World Bank Aids	8
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### Suggested Readings:

1. Deepak Mishra & Vandana Upadhyay–“Rethinking Economic Development in Northeast India- The Emerging Dynamics” (2017), Routledge
2. Jalad Baran Ganguly– “An Economic History of North East India” (2006), Himalaya Publishing House, Mumbai
3. Hans P Brunner–“North East India: Local Development & Global Markets” (2010),Sage
4. KR Dikshit & Jutta K Dikshit- “North East India: Land People and Economy" (2014), Springer
5. Atul Sarma & Saswati Choudhury- "Mainstreaming the Northeast in India's North East Policy"(2018), Springer
6. Salim Shah & Dilip Kumar Rana- "Development of Northeast India- Emerging Policy Issues"(2022), EBH Publishers.
7. Sumi Krishna- "Agriculture and Changing Environment in Northeastern India" (2013)- Routledge
8. Anasua Basu Ray Chaudhury and Ambar Kumar Ghosh- *Situating India's Northeast in the Bay of Bengal Regional Architecture (2023)*, ORF
9. Indraneel Bhowmik & Debajit Chakraborti—*Resources & Economy of Tripura (2011)*, EBH Publishers.
10. NITI Aayog- *North Eastern Region District SDG Index*;  
[https://www.niti.gov.in/sites/default/files/2021-08/NER\\_SDG\\_Index\\_NITI\\_26082021.pdf](https://www.niti.gov.in/sites/default/files/2021-08/NER_SDG_Index_NITI_26082021.pdf)
11. Rakhee Bhattacharya- " Developmentalism as a Strategy"(2019), Sage
12. Reports on State Finances by RBI
13. Database on Indian Economy- Reserve Bank of India

Programme/Class Degree: BA	Year: Third	Semester: VI
<b>Subject : Economics (Major)</b>		
<b>Course Code:</b> EC602C	<b>Course Title: International Trade</b>	
Course Objective:	<ul style="list-style-type: none"> <li>This course introduces the basics of international trade theory and examines the effects of international economic policies on domestic and world welfare.</li> </ul>	
Course Outcome:	<p>It aims to students to:</p> <ul style="list-style-type: none"> <li>acquaint with the principles and main theoretical concepts in international trade;</li> <li>familiarize students with the main issues in trade policy;</li> <li>demonstrate their understanding of the usefulness and problems related to topics in international trade, and demonstrate their critical understanding of trade policies.</li> </ul>	
Credits:	04	
Max. Marks: 100	Min. Pass Marks: 40	
Unit	Topics	No. of Lectures
Unit-I: Trade Theories	<p>Basic concepts: absolute advantage, comparative advantage, production possibility curve and marginal rate of transformation in production, community indifference curve and marginal rate of substitution in consumption, gains from trade - from exchange and from specialization, demand reversals, factor intensity reversals, offer curve and terms of trade.</p> <p>Basis of Trade - Adam Smith and the absolute advantage of trade; David Ricardo and the comparative advantage of trade; Factor Abundance and comparative advantage in the Heckscher-Ohlin model of trade.</p>	12
Unit-II: Balance of Payments	<p>Balance of Payments (BOP) – concept and components – Accounting method, Balance of Trade, Surplus and Deficit in the Balance of Payments – Autonomous and Accommodating items in the BOP, measures to correct deficit in the BOP, Devaluation – effects of Devaluation on BOP deficit, Balance of Payments theory</p>	12
Unit-III: Foreign Exchange	<p>Foreign Exchange rate- Meaning - Exchange rate determination, Exchange Rate system- Fixed and Flexible Exchange rates, Spot Rate and Forward Rate, Foreign Exchange Risks - Hedging and Speculation, IMF: Functions and International Liquidity, Functions and Role of World Bank and WTO.</p>	12
Unit-IV: Trade Policies	<p>Free Trade vs. Protection - Tariff barriers to trade, Effects of tariff - Optimum Tariff, Non-tariff barriers to trade -Quantitative trade restrictions, General Equilibrium analysis- Small and Large country case</p>	12
Suggested Readings (latest edition):		

- Sodersten, Bo and Geoffrey Reed: International Economics, Macmillan Press Ltd.
- Mannur, H. G: International Economics, Vikas Publishing House Pvt. Ltd.
- Heller, H. Robert: International Trade - Theory and Empirical Evidence, Prentice Hall of India Pvt. Ltd.
- Jhingan, M. L. and B. K. Jhingan: International Economics, Virinda Publications (P) Ltd.

<b>Program/Course:</b> B.A./ B.Sc. Major	<b>Year: 3<sup>rd</sup></b>	<b>Semester: VI</b>
<b>Subject: Economics (Major)</b>		
Course Code:EC603C	<b>Course Title: Statistics – II</b>	
Course objective:	<ul style="list-style-type: none"> <li>• To teach the analysis of chance events in a logically sound manner</li> <li>• To teach the model and variability of data on random variable.</li> <li>• To teach the sample survey method from a large population and to establish representative results of small sample of a large population.</li> <li>• (iv) To teach making estimates about population and testing hypothesis to draw conclusions about population.</li> </ul>	
Course Outcome:	<ul style="list-style-type: none"> <li>• The students will learn the analysis under uncertain situation.</li> <li>• The course will help to the students to prepare the model using random variable.</li> <li>• It may help to the students how to draw sample from the population.</li> <li>• They will learn estimating, testing and conclusion about population.</li> </ul>	
Credits:	4	
Full Marks: 100	Min. Passing Marks: 40	
Unit	Topics	<b>No. of Lectures</b>
Unit – I Theory of probability	Probability: Basic Concepts, Terminologies; Classical definition of probability with properties empirical definition of probability, subjective probability. Theorem of probability – theorem of total probability and compound probability: conditional and unconditional probability. Dependent and independent events. Bayes’ theorem of probability. Probability under the conditions of drawing with replacement and without replacement.	10
Unit – II Probability Distribution	Concept of Random Variable- Discrete and Continuous Random Variable- Probability Distribution of Random Variable- Probability Mass Function and Probability Density Function, Joint Probability Distribution, Cumulative Distribution Function	10

	Mathematical Expectation, Binomial Distribution; Poisson Distribution; Normal Distribution	
Unit – III Theory of Sampling and Sampling Distribution:	Definition of sample. Concept of sample survey method – advantages and disadvantages of sample survey method. Biases in sample survey method. Sources of biases. Sampling and non-sampling error. Definition and types of sampling - probability, non-probability and mixed sampling: their various methods - sampling distribution - expectation and standard error of sample mean, sample proportion. Four fundamental distribution – definition of Standard Normal distribution, Chi-square distribution, t-distribution and F-distribution.	10
Unit – IV Classical Inferential Statistics	Theory of estimation: Point estimation – method of point estimation, least square method, maximum likelihood method, properties of maximum likelihood estimator; criteria of good estimator – small sample and large sample; Interval estimation – concept of confidence limits; interval estimation of sample mean and proportion. Hypothesis testing: concept of null hypothesis and alternative hypothesis; Critical Region and Acceptance Region – Type I and Type II error, one tailed test; two-tailed test, level of significance of test, power of test, z-test, chi-square test, t test and F test.	10
Suggested References	1. Gun, Gupta and Das Gupta, <i>An Outline of Statistical Theory</i> , Vol. II., World Press Publication 2. N G Das, <i>Statistical Method</i> , Vol. II (Part II in new edition) 3. Robert V. Hogg, Elliotts A Tanis and Jagan Mohan Rao, <i>Probability and Statistical Inference</i> . 4. S. C. Gupta and V. K. Kapoor, <i>Fundamentals of Mathematical Statistics</i> . 5. Morris Humburg, <i>Statistical Decision Making</i> .	

Programme/Class Degree:	Year: Third	Semester: VI
<b>Subject: Economics (Major) Paper-XVI</b>		
Course Code:EC604C(i)	<b>Course Title:</b> Econometrics	
Course Objective:	<ul style="list-style-type: none"> <li>To introduce the students to the discipline of Econometrics</li> <li>To introduce the Method of Ordinary Least Squares to the students</li> </ul>	
Course Outcome:	<ul style="list-style-type: none"> <li>The students get familiarized with the basics ideas of the discipline of Econometrics</li> <li>The students are able to comprehend the two-variable case of Simple Linear Regression Analysis</li> <li>On completion of the course the student will be able to estimate simple econometric models, Interpret those models, apply various tests of significance and detect violations of classical assumptions.</li> </ul>	
Credits:	04	
Max. Marks: 100	Min. Passing Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I: Introduction	Definition and Scope of Econometrics; Methodology of econometrics; The nature of Regression Analysis; Historical origin and modern interpretation of the term 'Regression'; Terminology and notation; the nature and sources of data for Econometric Analysis; Population Regression Function (PRF); Sample Regression Function (SRF) and Population Regression Function (PRF), Significance of Stochastic disturbance component	8
UNIT-II: Two- Variable Classical Linear Regression Model	Classical Linear Regression Model, Assumptions underlying the Method of Least Squares, Properties of Least Squares Estimators, BLUE properties - Measure of Goodness of fit - Analysis of Variance (ANOVA), Testing of Hypothesis of the Regression Parameters	10
UNIT-III: Three - Variable Classical Linear Regression Model	Three Variable Linear Regression Model, Assumptions, Method of Least Squares Estimation, BLUE property, Goodness of fit (in terms of $R^2$ , adjusted $R^2$ and F statistic), Analysis of Variance (ANOVA). Testing of Hypothesis of the Regression Parameters	12
	Multicollinearity - Consequences, Detection (Variance Inflationary	10

<p>UNIT-IV: Violation of Classical Assumptions</p>	<p>Factor (VIF)) and Way out Heteroscedasticity - Consequences, Detection (Lagrange Multiplier test) and Way out Auto-correlation - Consequences, Detection (Durbin-Watson Test) and Way out</p>	
<p><b>Suggested Readings:</b></p> <ul style="list-style-type: none"> <li>▪ D. Gujarati, <i>Basic Econometrics</i>, McGraw Hill Higher Education.</li> <li>▪ G.S.Maddala, <i>Introduction to Econometrics</i>, John Wiley &amp; Sons.</li> <li>▪ Joydeb Sarkhel, Santosh Kumar Dutta, <i>Introduction to Econometrics</i>, Book Syndicate Pvt. Ltd.</li> <li>▪ Wooldridge, Jeffrey M. <i>Introductory Econometrics – A Modern Approach</i>, CENGAGE Learning</li> <li>▪ Green, W.H. (2011) <i>Econometric Analysis</i>, 7th Edition, Prentice Hall</li> </ul>		
<p>Suggested Continuous Evaluation Methods: Assignment / Test / MCQ Assignment /Test/Quiz(MCQ)/Presentations</p>		

Programme/Class Degree: BA	Year: Third	Semester: VI
<b>Subject: Economics (Minor)- VI</b>		
Course Code:EC601M	<b>Course Title: Economics of NER with special reference to Tripura</b>	
Course Objectives	<ul style="list-style-type: none"> <li>● Provide knowledge on the various facets of the Economy of the NER of India</li> <li>● Enable the students to learn to analyse the growth and development experiences of the region</li> <li>● Highlight the different prospects which can be explored for future</li> </ul>	
Course Outcome	<ul style="list-style-type: none"> <li>● Upon completion of this course, students will be able to:</li> <li>● Demonstrate knowledge of the key sectors of the Indian economy</li> <li>● Analyse the impact of economic reforms</li> <li>● Identify and analyse current economic issues and challenges</li> <li>● Articulate informed opinions on economic policy matters</li> <li>● Develop critical thinking and analytical skills in the context of Indian economic issues</li> </ul>	
Credits: 04		
Max.Marks:100	Min.PassingMarks:40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I: North-East as a Region	Characteristics of the Economy of the North-East India; NEC- role, aims and objectives, critical evaluation; MDONER- role, aims and objectives, critical evaluation Natural Resources- Minerals, Forests, Water & their uses, challenges & prospects Human Resources- Size & growth of Population, Density, Rural-urban ratio, Occupational Distribution, Sex ratio, Age-structure, Life Expectancy, Infant Mortality, Literacy Trend & Composition of the State Domestic Product and per-capita income of different states; reasons for slow growth	9
UNIT-II: Agriculture & Industry	Primary Sector in the NER- Extent & Importance, Production & Productivity of Major Crops, Land Use & Cropping pattern; problems & challenges; Shifting Cultivation & transition Secondary Sector in the NER- Role of Organised and Unorganised Sectors; Extent of Industrial Development, Industrial Policies for NER in the post-reform period; Challenges & problems faced; suggestions to overcome them, SSIs & MSMEs in NER	10
UNIT-III: Emerging Sectors	Tertiary Sector in the NER- Trade & Commerce; Tourism- present status, prospects & problems State of Infrastructure in North-East- Power, Transport, Communication, Banking & Finance- Performance, prospects & challenges; RRBs in NER; International Trade from NER- Status & Prospects of Border-trade with neighbouring countries, Act East Policy- aspects; Border Haats Health & Education- State-wise status SDGs in the NER	13

UNIT-IV: Economy of Tripura	Historical & Geographical background; Economic History of Tripura Developmental Experiences-Growth of the State Economy and Sectors, TTAADC Developmental Interventions- Gumti Hydel Project, Palatana Power Project, JICA, Indo-German Project, World Bank Aids	8
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### Suggested Readings:

1. Deepak Mishra & Vandana Upadhyay–“Rethinking Economic Development in Northeast India- The Emerging Dynamics” (2017), Routledge
2. Jalad Baran Ganguly– “An Economic History of North East India” (2006), Himalaya Publishing House, Mumbai
3. Hans P Brunner–“North East India: Local Development & Global Markets” (2010),Sage
4. KR Dikshit & Jutta K Dikshit- “North East India: Land People and Economy" (2014), Springer
5. Atul Sarma & Saswati Choudhury- "Mainstreaming the Northeast in India's North East Policy"(2018), Springer
6. Salim Shah & Dilip Kumar Rana- "Development of Northeast India- Emerging Policy Issues"(2022), EBH Publishers.
7. Sumi Krishna- "Agriculture and Changing Environment in Northeastern India" (2013)- Routledge
8. Anasua Basu Ray Chaudhury and Ambar Kumar Ghosh- *Situating India's Northeast in the Bay of Bengal Regional Architecture (2023)*, ORF
9. Indraneel Bhowmik & Debajit Chakraborti—*Resources & Economy of Tripura (2011)*, EBH Publishers.
10. NITI Aayog- *North Eastern Region District SDG Index*;  
[https://www.niti.gov.in/sites/default/files/2021-08/NER\\_SDG\\_Index\\_NITI\\_26082021.pdf](https://www.niti.gov.in/sites/default/files/2021-08/NER_SDG_Index_NITI_26082021.pdf)
11. Rakhee Bhattacharya- " Developmentalism as a Strategy"(2019), Sage
12. Reports on State Finances by RBI
13. Database on Indian Economy- Reserve Bank of India

Programme/Class Degree:	Year: FOURTH	Semester: VII
<b>Subject: Economics (Major) Paper- XVII</b>		
Course Code: EC701C	<b>Course Title:</b> Advanced Microeconomics	
Course Objective:	<ul style="list-style-type: none"> <li>This paper aims at analyzing the economic behaviour of the consumers, producers and introducing the alternative theories of firms, and application of game theory in imperfect competition markets.</li> </ul>	
Course Outcome:	<ul style="list-style-type: none"> <li>Know the principles of consumer behavior , understand the decision-making under uncertain and risky situations</li> <li>Understand the production process</li> <li>Understand the organization and functioning of modern firms</li> <li>Apply game theory in imperfect competition market</li> </ul>	
Credits:	04	
Max. Marks: 100	Min. Passing Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>UNIT-I:</b> Theory of Consumer	Axioms of Consumer Preference; Revealed preference Theory; Consumers' Surplus; Duality approach: Indirect utility function, expenditure function, Roy's identity, Shephard's lemma. Uncertainty and Risk - Choice under Uncertainty and Risk, Von Neumann Morgenstern Expected utility function-consumers equilibrium under uncertainty-individual's attitude toward risk-risk aversion.	13
<b>UNIT-II:</b> Theory of Producer	Production Function for single product; Laws of Production-Laws of returns to scale, law of variable proportions; Technological progress and the Production function; Production Function for multi-product firm, Isorevenue curve of multiproduct firm, Equilibrium of Multiproduct firm; General concept of homogenous and homothetic production function and their properties, Cobb-Douglas and C.E.S. production function and their properties.	12
<b>UNIT-III:</b> Alternative	The Marginalist controversy. The average cost pricing theory. Bain's limit pricing theory and its recent developments- Sylos-	12

Theories of Firm	Labini and Modigliani's model. Baumal's theory of sales revenue maximization: Static and Dynamic model. Williamson's model of managerial discretion, Morris model of managerial enterprise.	
<b>UNIT-IV:</b> Imperfect Competition and Game theory	Concept of a Game -two person zero-sum and non-zero sum games. maximin and minimax strategies, dominant strategies - Nash Equilibrium Prisoners dilemma; Duopoly: Competition in Quantity (Cournot), Price (Bertrand), Market Leadership (Stackleberg).	13
<p><b>Suggested Readings:</b></p> <ul style="list-style-type: none"> <li>• Koutsoyannis, A. Modern Microeconomics, ELBS, Macmillan Press, London.</li> <li>• Gravelle, H. and Rees, R. (2004) Microeconomics, Pearson Education, 3rd Edition</li> <li>• Maddala, G.S. and E. Miller, Micro Economics- Theory and Applications, McGraw, New Delhi.</li> <li>• Henderson, J.M. and R.E. Quandt (1980): Microeconomic Theory: A Mathematical Approach, McGraw-Hill, London.</li> <li>• Salvatore, D. Managerial Economics in a Global Economy with Economic Applications (5e), CENGAGE Learning/South Western.</li> <li>• Dobbs, I. (2000): Managerial Economics, OUP, ND</li> <li>• Sen, Anindya. (2006): Microeconomics: Theory and Applications, OUP, New Delhi.</li> <li>• Cowell, F. (2006) Microeconomics, Oxford University Press</li> <li>• Gibbons, R. S. (1992). Game theory for applied economists, Princeton University Press.</li> <li>• Varian, H. R. (2010). Intermediate Microeconomics: A Modern Approach, East West Press, 8<sup>th</sup> edition</li> <li>• Jehle, G.A. and Reny, P.J. (2000) Advanced Microeconomic Theory, Pearson Education</li> <li>• Baumol, W.J. Economic Theory and Operations Analysis, Prentice Hall, New Delhi.</li> </ul>		
<p>Suggested Continuous Evaluation Methods: Assignment / Test / MCQ Assignment /Test/Quiz(MCQ)/Presentations</p>		

Programme/Class Degree:	Year: FOURTH	Semester: VII
<b>Subject: Economics Major (Paper- XVIII)</b>		
Course Code: EC702C	<b>Course Title: Research Methodology and Computer Application</b>	
Course Objective:	<ul style="list-style-type: none"> <li>• To introduce students to the basic concepts and importance of research in social sciences and other disciplines.</li> <li>• To develop students' understanding of research design, data collection, and analysis methods.</li> <li>• To provide knowledge about basic statistical tools used in research.</li> <li>• To train students in the use of computer applications for research work, data analysis, and report writing.</li> <li>• To develop the ability to prepare simple research reports and presentations using digital tools.</li> </ul>	
Course Outcome:	<ul style="list-style-type: none"> <li>• Understand the meaning, nature, and types of research.</li> <li>• Identify and formulate a research problem and research objectives.</li> <li>• Apply basic data collection methods and sampling techniques.</li> <li>• Use simple statistical tools to analyze and interpret data.</li> <li>• Use computer applications such as Microsoft Word, Microsoft Excel, and Microsoft PowerPoint for research writing, data analysis, and presentation.</li> <li>• Prepare a basic research report using computer tools.</li> </ul>	
Credits: 04	Core Compulsory: <b>Group A (Theory: Unit I &amp; Unit II)-50 (30+Internal Assessment 20)</b> <b>Group B (Practical: Unit III &amp; Unit IV)</b>	
Max. Marks: 100	Min. Passing Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>UNIT-I:</b> Introduction to Research Methodology	<ul style="list-style-type: none"> <li>➤ Meaning and definition of research</li> <li>➤ Characteristics and importance of research</li> <li>➤ Objectives of research</li> <li>➤ Types of research: Basic research, Applied research, Qualitative research and Quantitative research</li> <li>➤ Research problem: Meaning and identification</li> <li>➤ Formulation of research questions and research objectives</li> <li>➤ Hypothesis: Meaning, types, and formulation</li> <li>➤ Scope and limitations of research</li> </ul>	12
<b>UNIT-II:</b> Research Design and Methods of Data Collection	<ul style="list-style-type: none"> <li>➤ Meaning and importance of research design</li> <li>➤ Types of research design: Exploratory research, Descriptive research, Experimental research</li> <li>➤ Sources of data</li> <li>➤ Methods of primary data collection</li> <li>➤ Secondary data sources: books, journals, government reports, online databases</li> </ul>	12

	<ul style="list-style-type: none"> <li>➤ Sampling design &amp; techniques: Meaning and importance of sampling, Types of sampling - Probability sampling and Non-probability sampling</li> </ul>	
<b>UNIT-III: (Practical)</b> Data Processing, Analysis, and Interpretation	<ul style="list-style-type: none"> <li>➤ Editing and coding of data</li> <li>➤ Classification and tabulation of data</li> <li>➤ Presentation of data using tables, charts, and diagrams</li> <li>➤ Basic statistical tools used in research: Descriptive Statistics</li> <li>➤ Interpretation of data and research findings and report writing</li> </ul>	13
<b>UNIT-IV:</b> Computer Application Research	<ul style="list-style-type: none"> <li>➤ Introduction to computers and their role in research</li> <li>➤ Basic components of computers: Hardware &amp; Software</li> <li>➤ Word processing for research writing using Microsoft Word</li> <li>➤ Spreadsheet for data entry and analysis using Microsoft Excel</li> <li>➤ Preparing research presentations using Microsoft PowerPoint</li> <li>➤ Use of Internet for academic research</li> <li>➤ Introduction to online academic resources and digital libraries</li> <li>➤ Basic referencing and citation techniques</li> </ul>	13
<b>Practical Components</b>	<p>Students should complete the following practical activities:</p> <ul style="list-style-type: none"> <li>➤ Designing a questionnaire or interview schedule</li> <li>➤ Data entry, tabulation and data analysis using Excel</li> <li>➤ Preparation of charts and graphs</li> <li>➤ Preparation of Bio-data/CV</li> </ul>	
<p><b>Suggested Readings:</b></p> <ul style="list-style-type: none"> <li>• Adams, John; Khan, Hafiz T.A; Raeside, Robert &amp; White, David (2007). Research methods for graduate business and social science students. London: Response.</li> <li>• Ahuja, Ram (2014). Research methods. Jaipur: Rawat Publications.</li> <li>• Alasuutari, Pertti; Bickman, Leonard &amp; Brannen, Julia (Eds.). (2008). The Sage handbook of social research methods. London: Sage Publications.</li> <li>• Andrews, Richard (2005). Research questions. London: Continuum.</li> <li>• Baxter, Laraine; Hughes, C. &amp; Tight, Maleolm (1999). How to research. New Delhi: Viva Books.</li> <li>• Cargan, Leonard (2008). Doing social research. Jaipur: Rawat Publications.</li> <li>• Creswell, John W. (2009). Research design: Qualitative, quantitative and mixed method approaches. (3rd ed.). London: Sage Publications.</li> <li>• Creswell, J. W., &amp; Creswell, J. D. (2018). <i>Research design: Qualitative, quantitative, and mixed methods approaches</i> (5th ed.). SAGE Publications.</li> <li>• Kothari, C. R., &amp; Garg, G. (2019). <i>Research methodology: Methods and techniques</i> (4th ed.). New Age International Publishers.</li> <li>• M M Munshi &amp; K Gayathri Reddy, "Research Methods", 1st Edition, HPH Publishers, 2015.</li> <li>• Ranjit Kumar. (2014). <i>Research methodology: A step-by-step guide for beginners</i> (4th ed.). New Delhi: Sage.</li> <li>• P.K Sinha (2018). Computer Fundamentals; BPB Publication</li> <li>• V. Rajaraman (2014). Fundamentals of Computers (6<sup>th</sup> Ed.), PHI Learning Publication</li> <li>• Peter Norton (2008). Introduction to Computers (6<sup>th</sup> Ed.), McGraw Hill</li> </ul>		
<p>Suggested Continuous Evaluation Methods: Assignment / Test / MCQ</p> <p>Assignment /Test/Quiz(MCQ)/Presentations</p>		

Programme/Class Degree: BA	Year: FOURTH	Semester: VII
<b>Subject: Economics (Major) -XIX</b>		
Course Code: EC703C	<b>Course Title: Indian Economic Thought</b>	
Course Objective	This course analyses and investigates the key aspects and knowledge of ancient Indian economic thought which will provide a deeper insight into India's culture, tradition, and inherent national characteristics.	
Course Outcome	<ul style="list-style-type: none"> <li>▪ The course develops critical analytical skills and exposes learners to understanding the views, ideas and modelling of India's economic thinkers.</li> <li>▪ Economic interpretation of our historical past; and the motives of economic activities of our ancestors will be understood.</li> <li>▪ The learners will get an exposure about the mixed ideas of politics, ethics and economics.</li> <li>▪ These learning skills would be useful in a variety of careers in academic, research and government policies.</li> <li>▪ The students will develop a chronological understanding of the development of economic thought and can relate the developments in different schools of thought with contemporary issues.</li> </ul>	
Credits: 04	<b>Core Compulsory</b>	
Max. Marks: 100 (Internal-40, External-60)	Min. Passing Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>UNIT-I:</b> (Ancient Indian Economic Thought)	Introduction to Kautilya and his Arthashastra: Theory of Taxation, Good Governance, Labour Theory, Accounting Methods and the role of Ethics, Foreign Policy analysis, Welfare Economics. Economic Ideas of Thiruvalluvar—Ethics, Governance & Agriculture. Comparison in their thought process. Relevance of Kautilya and Thiruvalluvar in present perspective.	10
<b>UNIT-II:</b>	Dadabhai Naoroji — Drain theory; M.G. Ranade — social reform & political economy; R.C. Dutt— economic critique of colonial rule, agrarian	10

(Economic Thought during Colonial Rule)	distress; Gopal Krishna Gokhale—national economic development ideas, Finance and Fiscal Administration.	
<b>UNIT-III:</b> (Nationalist & Gandhian Economic Thought)	Rabindranath Tagore — rural reconstruction, Human Development; Approaches of Mokshagundam Visvesvaraya. Economic Thoughts of Mahatma Gandhi on Technology, Industrialization and the scale of production. Nehruvian Economic Thought and B.R. Ambedkar’s thoughts on Banking system, Industrialization, and Agricultural reforms.	8
<b>UNIT-IV:</b> (Post-Independence Economic Thought)	Planning and Balanced Regional Development: Thoughts of C.N. Vakil, K.N Raj and D.R. Gadgil. Planning Models: P.C. Mahalanabish and V.K.R.V.Rao, M.S. Swaminathan. Human Capital, Capability and Social Justice: Amartya Sen, Jagdish Bhagwati and Sukhamoy Chakrabarty.	12

**Suggested Books Readings:**

1. Bhatia H L, History of Economic Thought, Vikas Publishing House, Delhi
2. Ranesh Roy— *Oupanibeshik Bharater Rashtriya Arthaniti*, Progressive Publishers.
3. Debesh Mukharjee— Indian Economic History, New Central Book Agency (P) Ltd.
4. Dasgupta A. K, A History of Indian Economic Thought, Routledge Publisher
5. Ganguli B.N.— *Indian Economic Thought: A 19th Century Perspective*, Tata McGraw Hill, New Delhi.
6. Amartya Sen — *Development as Freedom*
7. Hajela TN, History of Economic Thought, Shivalal Agarwala, 1972
8. Subrata K. Mitra & Michael Liebig— Kautilya’s Arthashastra, Rupa Publications India Pvt. Ltd., New Delhi
9. Paul RR, History of Economic Thought, Kalyani Publication
10. Roll, Eric, A History of Economic Thought, Faber & Faber, London and Rupa, Delhi
11. Rakshit Mihir (2011), *Macroeconomics of Post Reform India*, Oxford University Press
12. Trivedi Gopal (1991), “*Introduction to Macroeconomic Theory*”, Calcutta Academic Publication
13. Vohra M, History of Economic Thought, Anmol Publication, Delhi
14. Drechsler, W. (2017). Buddhist economics: An introduction. London: Rout ledge.
15. Siriwardhana, N. (2016). Buddhist economics: The middle way between materialism and asceticism. *Journal of Buddhist Ethics*, 23, 1-27.
16. Kumarappa, Joseph Cornelius (1951). Gandhian economic thought. Library of Indian economics (1st ed.). Bombay, India: Vora.

17. Thorat, S. (2017). Dr. Ambedkar and the Indian economy. Pearson India Education Services.
18. Dr. B. R. Ambedkar (1923). The problem of Indian rupee: Its origin and its solution: (History Of Indian Currency & Banking).
19. Ajit K. Dasgupta (1993). A History of Indian Economic Thought, London and New York.

**Electronic References:**

20. Harshita Jain, The Ancient Indian Economic Thought and the Concept of Welfare State, available at Electronic copy available at: <https://ssrn.com/abstract=3762752>
21. M.G.Ranade, Economic Ideas of Justice, available at <https://egyankosh.ac.in/bitstream/123456789/20628/1/Unit-5.pdf>
22. Rajesh Kumar Jangir and Ashok (2022), “RC Dutt: As an economic historian and thinker”, *International Journal of Multidisciplinary Trends* 2022; 4(1): 188-193, available at <https://www.multisubjectjournal.com/article/161/4-1-72-193.pdf>
23. Economic Nationalism, <https://egyankosh.ac.in/bitstream/123456789/44301/3/Unit-6.pdf>
24. Comparative Study B.R. Ambedkar and Mahatma Gandhi, available at <https://core.ac.uk/download/234668651.pdf>
25. Gopal Krishna Gokhle , Indian Economic Thought ; available at [https://bhattadevuniversity.ac.in/docs/studyMaterial/ParagBarman\\_Economics\\_UG2ndSem\\_Gokhale.pdf](https://bhattadevuniversity.ac.in/docs/studyMaterial/ParagBarman_Economics_UG2ndSem_Gokhale.pdf)
26. Kataria, M., Economic Ideas of Mahatma Gandhi; *Innovation and Entrepreneurship in the Global Economy*; available at <https://inspirajournals.com/uploads/Album/1042421740.pdf>
27. Dr B.R Ambedkar and his Economic Thought, available at <https://www.academia.edu/31381988/>
28. Economic Thoughts of Dr. B.R. Ambedkar, available at <https://www.jetir.org/papers/JETIR2107411.pdf>
29. Economics of Caste System : B. R. Ambedkar, available at
30. [https://www.researchgate.net/publication/259874418\\_Dr\\_B\\_R\\_Ambedkar\\_on\\_Economic\\_Analysis\\_of\\_the\\_Caste](https://www.researchgate.net/publication/259874418_Dr_B_R_Ambedkar_on_Economic_Analysis_of_the_Caste)
31. Ideology And Policy of Nehruvian Vision, available at <https://egyankosh.ac.in/bitstream/123456789/73711/1/Unit-6.pdf>
32. Indian Economic Thought. Available at <https://gacbe.ac.in/pdf/ematerial/18BEC64C-U5.pdf>
33. Jean Dreze, *Famine Prevention in India* in Dreze and Sen (eds.) *Political Economy of Hunger*, WIDER Studies in Development Economics, 1990
34. Leena C. Vakil (1970) , Indian Economic Thought with special emphasis on Gandhian Influence , available at <https://scholarworks.calstate.edu/downloads/gx41mk17p>

35. Rudy Rabbinge (2015), "M. S. Swaminathan: his contributions to science and public policy" Current Science, Vol. 109(3), available at <http://59.160.153.188/library/sites/default/files/rudy.pdf>
36. S. Roy (1998), The Economics of Amartya Sen, available at [https://www.researchgate.net/publication/303806237\\_The\\_Economics\\_of\\_Amartya\\_Sen](https://www.researchgate.net/publication/303806237_The_Economics_of_Amartya_Sen)
37. Srinivasamurthy A.P. – *Sir M. Visvesvaraya*, IBH Prakasana, Bangalore. available at <https://www.arvindguptatoys.com/arvindgupta/sir-vish.pdf>
38. Visvesvaraya's Plan, available at <https://www.economicdiscussion.net/india/planning/economic-plans-in-india/21263>
39. Development of Economic Thought, available at [https://sde.uoc.ac.in/sites/default/files/sde\\_videos/SLM-Development%20of%20Economic%20Thought.pdf](https://sde.uoc.ac.in/sites/default/files/sde_videos/SLM-Development%20of%20Economic%20Thought.pdf)

Programme/Class Degree: BA	Year: FOURTH	Semester: VII
<b>Subject: Economics (Major) -XX</b>		
Course Code: EC704C	<b>Course Title: Project I</b>	
Course Objective	This course aims to develop research analysis on different aspects of socio-economic, contemporary issues.	
Course Outcome	<ul style="list-style-type: none"> <li>▪ The course develops ideas on different research aspects.</li> <li>▪ The students will be able to handle the data for conducting the research work.</li> <li>▪ To develop the capabilities in interpreting the results.</li> <li>▪ The students will develop research aptitude in contemporary development issues.</li> </ul>	
Credits: 04	<b>Core Compulsory</b>	
Max. Marks: 100 (Viva-40, Project Assignment-60)	Min. Passing Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>Contact Hours</b>
<b>Framing of Research Proposal</b>	Selection of Research Topic: Background of the Study, Statement of the Problem, Relevance of the Study, Objective, Research Questions/Research Hypothesis. Review of Literature and Finding out Research Gap Data Sources, Study Design and Methodology Research outline	60

Programme/Class Degree: BA	Year: FOURTH	Semester: VII
<b>Subject: Economics (Minor)-VII</b>		
Course Code: EC701M	<b>Course Title: Public Finance and International Trade</b>	
Course Objective	<ul style="list-style-type: none"> <li>▪ To make students to analyze the role of Public Finance and International Trade in Economic Development.</li> <li>▪ To make students competent to become success in competitive examination.</li> </ul>	
Course Outcome	<p>At the end of the course the learner will have ability-</p> <ul style="list-style-type: none"> <li>▪ To relate and recognize the Nature and Scope of Public Finance.</li> <li>▪ To describe and analyze various components of Public Finance for planning and development.</li> <li>▪ To explain various types of Public Revenue and Expenditure, reasons and effects for rising Public Expenditure and Public Revenue.</li> <li>▪ To explain the types of Public Debt and its effects.</li> </ul> <p>To describe and apply the theories of international trade.</p> <ul style="list-style-type: none"> <li>▪ To explain and comprehend the issues relating to Terms of trade and Balance of Payment</li> </ul>	
Credits: 04	Core Compulsory	
Max. Marks: 100	Min. Passing Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>UNIT-I</b> (Introduction to Public Finance and Public Revenue):	<p>Nature, Scope and Importance of Public Finance; Public versus Private Finance; Role of Public Finance in Economic Development; Market failure and Rationale of Government Intervention; Principle of Maximum Social Advantage; Public vs. Private Goods; Market Failure and public good and Lindahl Solution</p> <p>Public Revenue— Sources of Public Revenue; Meaning of Tax, Types of Taxes- Direct Tax and Indirect Tax, Merits and Demerits; Basic Concepts—Canon, Burden, Impact, Incidence, Shifting of Taxation and Tax Buoyancy.</p>	10

	Goods and Service Tax— Concept, Types and Features.	
<b>UNIT-II:</b> (Public Expenditure and Public Debt):	Public Expenditure— Meaning, Classification, Different heads of expenditure, Effects on National Income, Production and Distribution; Wagner’s Theory. Private vs. Public Debt, Sources of Public Debt, Methods of Repayment of Public Debt; Burden of Public Debt and its Measurement; Effects of Public Debt.	10
<b>UNIT-III:</b> (Theories of International Trade):	Community Indifference Curve, Production Possibility Curve, Factor Prices and Relative Factor Intensity, Offer Curve; Internal vs. International Trade; International Trade and Economic Development. Theories of International Trade— Theory of Absolute Cost Advantage and Theory of Comparative Cost Advantage.	10
<b>UNIT-IV:</b> (Terms of Trade and Balance of Payments):	Gains from Trade— Gains from Exchange and Gains from Specialization; Terms of Trade— Definition, Different Concepts of Terms of Trade and their role in International Trade, Factors affecting Terms of Trade. Balance of Trade and Balance of Payment— Concept and Components; Equilibrium and Disequilibrium in Balance of Payment, Causes and Consequences; Methods to correct deficit in balance of payment. Foreign Exchange Market—Definition, Features and Functions; Cases for and against Fixed and Flexible Exchange Rates.	10
<b>Suggested Readings for Public Finance:</b>		
<ol style="list-style-type: none"> <li>1. Gope, Arjun, Sahaj Kathay GST, Akshar Publication, Agartala, Tripura</li> <li>2. Bhatia H.L, “Public Finance “ Vikas Publishing House,</li> <li>3. Andley and Sundaram- Theory and Practice of Public Finance.</li> <li>4. Bhadane Jaywant R, (2020) GST Smart Taxation System, International Publication</li> <li>5. Government of India (2017). GST-Concept and Status</li> <li>6. Jayaram Hiregange, Deepak Rao (2017), India GST for Beginners, White Falcon Pub.</li> <li>7. Musgrave R. A. &amp; Musgrave P. B “Public Finance: In Theory &amp; Practice” McGraw Hill</li> <li>8. Prest, A.R. and Barr N.A., Public Finance in Theory and Practice, ELBS, London.</li> <li>9. Singh S.K, Public Finance in Theory and Practice, S. Chand, New Delhi.</li> <li>10. Khan M. Liakot Aali. “Sarkari Arthabebastha”, Samannoy Prakasani, Dhaka, Bangladesh</li> </ol>		
<b>Suggested Readings for International Trade:</b>		

1. Chakraborty, Montosh. Antorjatic Arthonoti. Aritro Book Corner, Banglabazar, Dhaka, Bangladesh
2. H G Mannur, International Economics. Vikas Publishing House Pvt. Ltd.
3. Joudeb Sarkhel & Seikh Salim, International Economics, Book Syndicate (P) Ltd.
4. Sodersten, Bo, International Economics, Macmillan Press Ltd., London.
5. M.L. Jhingan International Economics. Vrinda Publications (P) Ltd
6. Salvatore, D.L., International Economics, Prentice-Hall, Upper Saddle River, N.J.
7. Krugman, P.R. and M. Obstgeld, International Economics: Theory and Policy, Glenview, Foresman.
8. Bhagwati, J. (Ed.). International Trade, Selected Readings, Cambridge University Press, Mass.
9. Kenan, P.B. , the International Economy, Cambridge University Press, London.
10. Kindlberger, C.P., International Economics, R.D. Irwin, Homewood.

Programme/Class Degree: BA	Year: FOURTH	Semester: VIII
<b>Subject: Economics (Major) -XXI</b>		
Course Code: EC801C	<b>Course Title: Advanced Macroeconomics</b>	
Course Objective	<ul style="list-style-type: none"> <li>• To develop an understanding of macroeconomic theories beyond the introductory level.</li> <li>• To enhance analytical skills for interpreting macroeconomic issues and policies.</li> <li>• To provide accessible yet comprehensive knowledge for students from both Economics and non-Economics backgrounds.</li> </ul>	
Course Outcome	<p>By the end of this course, students will be able to:</p> <ul style="list-style-type: none"> <li>• Explain and analyse key macroeconomic indicators and concepts.</li> <li>• Understand macroeconomic models and their policy implications.</li> <li>• Apply theoretical frameworks to real-world macroeconomic problems.</li> </ul>	
Credits:	4 Credits	
Max. Marks: 100	Min. Passing Marks: 40	
Keywords	Schools of Thought– New Classical and New Keynesian Macroeconomics, Mundell–Fleming Model, Developing Country Macroeconomics.	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I: Macroeconomics School of thoughts	Understanding modern macroeconomics, Schools of Thought – Classical, Keynesian, Neo Classical, Monetarism, New Keynesian, Post Keynesian and New Classical Macroeconomics.	10
UNIT-II: New Classical and New Keynesian Economics	Structure of New Classical Models: Rational expectations hypothesis, Continuous market clearing and Aggregate supply hypothesis. Policy Implications of the New Classical approach.	10

	New Keynesian Economics: Core propositions, Nominal rigidities, Dornbusch's Overshooting Model, Real rigidities, New Keynesian Business Cycle Theory, Policy Implications.	
UNIT-III: Open Economy Macroeconomics	Balance of Payments: Current account, Capital account, Disequilibrium and correction; Exchange Rate: Fixed vs flexible, Determinants of Exchange Rate; Capital Mobility: Perfect and Imperfect Capital Mobility. Mundell–Fleming Model: Basic framework, Policy effectiveness under fixed vs flexible exchange rates.	10
UNIT-IV: Macroeconomics for Developing countries	Macro-Models for Developing Countries: The Basic IMF Model, Structuralist Models of Developing Country Macroeconomics, Dualistic models of output and inflation in developing countries. Stiglitz's critique on the IMF-World Bank policies for developing countries. Policies in developing countries: Aggregate supply, Aggregate demand, Monetary contraction, Restrictive fiscal policy, Devaluation, Wage restraint.	10
<b>Suggested Readings:</b> <ol style="list-style-type: none"> <li>1. Snowdon, B. and H. R. Vane, "Modern Macroeconomics: Its Origins, Development and Current State", Edward Elgar.</li> <li>2. Froyen, Richard T, "Macroeconomics: Theories and Policies", Pearson Education.</li> <li>3. Haque, N. U., Kajal Lahiri &amp; Peter.J., Montiel, A Macroeconometric Model for Developing Countries, IMF Staff Papers, Vol.37, No.3 (Sept. 1990).</li> <li>4. Jha, Raghendra, "Macroeconomics for Developing Countries", Routledge: Taylor &amp; Francis Group.</li> <li>5. Romer, David, "Advanced Macroeconomics", McGraw Hill.</li> <li>6. Mankiw, N Gregory, "Macroeconomics", Cengage.</li> </ol>		

Programme/Class Degree:	Year: FOURTH	Semester: VIII
<b>Subject: Economics (Major) PAPER-XXII</b>		
Course Code: EC802C	<b>Course Title: Mathematical Economics</b>	
Course Objective:	<ul style="list-style-type: none"> <li>The aim of this course is to introduce students with the Mathematical concepts and methods used to analyse consumer behaviours, producer behaviours and determination of price in various markets.</li> </ul>	
Course Outcome:	<ul style="list-style-type: none"> <li>Comprehend the Behavioural Economic Theories concerning consumer's behaviour and producer's behaviour.</li> <li>Calculate optimal solutions of consumer and producer problems using mathematical skills and theoretical insight.</li> <li>Understand the different types of Market Structures and equilibrium in a market.</li> <li>Develop skills to understand the economic concepts and theories which use mathematical tools and techniques in the study of economics.</li> </ul>	
Credits:	04	
Max. Marks: 100	Min. Passing Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>UNIT-I:</b> (Consumer Behaviour)	Maximization of utility, Demand Functions, Ordinary and Compensated Demand Functions, Elasticities, Slutsky Equation. Linear Expenditure System, Separable and Additive Utility Function, Homogeneous and Homothetic Utility Function, Indirect Utility Function, Roy's Identity and Duality in Consumption.	12
<b>UNIT-II:</b> (Producer Behaviour)	Production Function, Homogeneous Production Functions, Euler's Theorem, Cobb Douglas and CES Production Function with properties. Derivation of Cost Functions and its optimization problems. Producer's Equilibrium, Input Demand Functions and Adding up Theorem, Duality in Production.	12
<b>UNIT-III:</b> (Profit Maximization, Market Behaviour)	Profit Maximization, Joint profit maximization, multi-product firm. Market: Single Market Equilibrium (Static and Dynamic), Marshallian and Walrasian equilibrium condition. Lagged market equilibrium. Multi-market equilibrium, Perfect Competition and Monopoly Market (Multi-plant and Discriminant Monopolist)	12
<b>UNIT-IV:</b> (Input-Output)	Input-Output Model—Concept, Importance and its limitation, Hawking-	13

Model , Linear Programming & Growth Model)	Simon Conditions, Closed and Open Economic Input-Output Model. Linear Programming Problem— Concept, Application and Limitation, Formulation of Linear Programming, Primal-Dual Problem	
<p><b>Suggested Readings:</b></p> <ul style="list-style-type: none"> <li>• Chiang,A.C: Elements of Dynamic Optimisation(Third Edition) McGraw-Hill,New York.</li> <li>• Henderson, J.M. and R.E. Quandt : Microeconomic Theory: A Mathematical Approach, McGraw-Hill, London.</li> <li>• Varian,H : Advanced Microeconomic Theory, McGraw-Hill, New York. Advanced Reading:</li> <li>• Allen, R.G.D: Mathematical Economics, Macmillan, London.</li> <li>• Arrow, K.J. and M. Intrilligator (Ed.): Handbook of Mathematical Economics, Vol- I,II, and III, North Holland, Amsterdam</li> <li>• Rowcroft, J.E: Mathematical Economics: An Integrated Approach, Prentice Hall.</li> <li>• Silberberg,E : The Structure of Economics: A Mathematical Analysis, MacGrawHill, International Edition.</li> <li>• Taro Yamane, Mathematics for Economists: An Elementary Survey, Prentice Hall of India, New Delhi.</li> <li>• S. Baruah, Basic Mathematics and its Economics Applications, MacMillan</li> <li>• Dowling, Edward.T: Theory and Problems of Introduction to Mathematical Economics; Schaum Series.</li> <li>• Koutsoyiannis, A: Modern Microeconomics, MacMillan</li> </ul>		
<p>Suggested Continuous Evaluation Methods: Assignment / Test / MCQ Assignment /Test/Quiz(MCQ)/Presentations</p>		

Programme/ Class Degree: BA	Year: FOURTH	Semester: VIII
<b>Subject: Economics (Major), Paper- XXIII</b>		
Course Code: EC803C	<b>Course Title: ECONOMICS OF NORTHEASTERN REGION OF INDIA</b>	
Course Objective:	<ul style="list-style-type: none"> <li>● Provide basic knowledge and understanding on the Economy of Northeastern Region of India to the learners</li> <li>● Develop the students learning process about the growth and development experiences of the NER of India</li> <li>● Understand the importance of Sub-regional cooperation for the Northeastern states of India</li> </ul>	
Course Outcome:	<ul style="list-style-type: none"> <li>● Enable the students to learn about the evolution and features states of the NER of India</li> <li>● Understand the geo-political environment of the region.</li> <li>● Help those seeking employment through any kind of competitive examination as well as enable them to make informed choices in course of their working life</li> </ul>	
Credits:04		
FullMarks:100	Minimum Pass Marks:40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>Unit-I :</b> North East India – An Overview	Evolution of the States of the Region: History, Demography and Socio-Economic condition.	08
<b>Unit-II:</b> States of the Northeastern Region	Overview and Economic features with reference to Agriculture, Industry, Physical and Social Infrastructure, Banking and Commerce, and Employment of the states (Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura).	12
<b>Unit - III:</b> North East India and its Neighbours	Understanding the Strategic Location of the NER States and their Economic Relationship with the Neighbouring countries with special focus on Look (Act) East Policy and Neighbourhood First Policy.  Focus on Major Development Projects such as JICA, BBIN, Kaladan Multi-Modal Transit Transport Project, Indo-German, Indo-Bangladesh Protocol on Inland Water Transit & Trade (PIWTT).	12
<b>Unit IV:</b> Growth and Trade of Northeastern Region of India	Pattern and composition of trade of the states of the region with the neighbouring countries. Policies including connectivity projects initiated by Governments to improve trade and bi-lateral relationship among the	08

countries. Border Haats – rationale, features, performance and case studies.

**References:**

1. Rituparna Bhattacharyya (2024), *Northeast India Through the Ages – A Transdisciplinary Perspective on Prehistory, History, and Oral History*, Routledge: Taylor & Francis Group.
2. Indian culture.gov.in/north-east-archive/history-north-east.
3. Website of the respective state governments.
4. [https://rgu.ac.in/wp-content/uploads/2021/02/Download\\_629.pdf](https://rgu.ac.in/wp-content/uploads/2021/02/Download_629.pdf)
5. Ashish Nath (2018a), “Border Haats: New Dimensions in Cross-border Trade”. *Economic & Political Weekly*, 53 (11), pp. 14-17.
6. Economic Review (s) and Website of the respective state governments.
7. Hans-Peter Brunner (2020), *North East India: Local Economic Development and Global Markets*, SAGE.
8. Ministry of Development of North Eastern Region, Government of India (<https://www.mdoner.gov.in/>).
9. Ashish Nath (2026), (Edited), “Sub-regional Cooperation for Trade, Investment and Employment in North-East India, Oxford University Press.
10. Atul Sarma and Saswati Choudhury (edited.), *Mainstreaming the Northeast in India’s Look and Act East Policy*, Singapore: Palgrave Macmillan.
11. CUTS International & FICCI (2017), “Harnessing the Potential for Cross-border Trade between North East India and its Neighbouring Countries”, Jaipur: CUTS International and The Federation of Indian Chamber of Commerce & Industry.
12. Gurudas Das and C. Joshua Thomas (2019), *Look east to Act East Policy: Implications for India’s Northeast*, Routledge, Taylor& Francis group.
13. Nisha Taneja, Deb Kusum Das and Samridhi Bimal (2018), *Sub-regional cooperation between India, Myanmar and Bangladesh – Trade, Investment and Connectivity*, Academic Foundation.
14. Rakhee Bhattacharya (2015), *Northeastern India and its Neighbours: Negotiating Security and Development*, Routledge.
15. Thongkhohal Haokip (2015), *India’s Look East Policy and The Northeast*, SAGE.
16. Ashish Nath (2018b), ‘Integration with Regional Blocks through Intra-Industry Production Network: Boosting the Growth Prospects of NE India’ in Atul Sarma and Saswati Choudhury (eds.), *Mainstreaming the Northeast in India’s Look and Act East Policy*, Singapore: Palgrave Macmillan, pp. 177-209.
17. Asian Confluence (2023), “Assessing Connectivity between Northeast India and Bangladesh: Towards a Prosperous Bay of Bengal Region”, New Delhi: Asian Confluence and SANEM.
18. CUTS International & FICCI (2021), “India=Bangladesh Border Haats – Facilitating new dimensions in cross border trade”, Jaipur: CUTS International.
19. Ministry of Commerce and Industry (2012), Memorandum of Understanding for ‘Establishing Border Haats across the Border between Indian and Myanmar’, Government of India.
20. Ministry of External Affairs (2017), Memorandum of Understanding for ‘Establishing Border Haats across the Border between Indian and Bangladesh’, Government of India.

21. Nisha Taneja, Deb Kusam Das and Samridhi Bimal (eds) (2018), Sub-Regional Cooperation between India, Myanmar and Bangladesh-Trade, Investment and Connectivity. New Delhi: Academic Foundation.
22. Prabir De and Manab Majumder (2014), “Developing Cross-Border Production Networks between North Eastern Region of India, Bangladesh and Myanmar – A Preliminary Assessment”, New Delhi: RIS Research and Information System for Developing Countries.

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Programme/Class Degree: BA	Year: FOURTH	Semester: VIII
<b>Subject: Economics (Major) -XXIV</b>		
Course Code:EC804C	<b>Course Title: Project II</b>	
Course Objective	This course aims to develop research analysis on different aspects of socio-economic, contemporary issues.	
Course Outcome	<ul style="list-style-type: none"> <li>▪ The course develops ideas on different research aspects.</li> <li>▪ The students will be able to handle the data for conducting the research work.</li> <li>▪ To develop the capabilities in interpreting the results.</li> <li>▪ The students will develop research aptitude in contemporary development issues.</li> </ul>	
Credits: 04	<b>Core Compulsory</b>	
Max. Marks: 100* (Viva-voce:40, Project Assignment: 60) *External Examiner may evaluate the assignment and viva- voce along with internal examiner	Min. Passing Marks: 40	
	<b>Topics</b>	<b>Contact Hours</b>
<b>Submission of Research Project</b>	Chapterization: Introduction Review of Literature Research Methodology Findings and Analysis (This chapter may be split with suitable chapter title) Summary and Conclusion Bibliography/Reference <i>Note: This will be based on the Research Proposal submitted as Project I</i>	60

Programme/Class Degree:	Year: FOURTH	Semester: VIII
<b>Subject: Economics (Minor) PAPER-VIII</b>		
Course Code: EC801M	<b>Course Title: Development Economics (Minor)</b>	
Course Objective:	<ul style="list-style-type: none"> <li>• The objective of this course is to provide students with the essential tools and concepts of development economics, to prepare them to understand what makes underdevelopment persist and what helps development succeed.</li> <li>• The course also discusses Issues and concerns of economic development, it further gives insights to the theories and models of Economic growth</li> <li>• The course enables the student to get conceptual clarity, strengthens theoretical foundations and develops critical thinking skills related to Development Economics.</li> </ul>	
Course Outcome:	<ul style="list-style-type: none"> <li>• The Course will help to develop comprehensive understanding of meaning and theories of economic growth &amp; economic development.</li> <li>• Students will be able to comprehend the issues &amp; challenges of economic growth &amp; economic development.</li> <li>• Students will be familiar with the approaches of development.</li> <li>• Students will be able to understand the concepts of poverty, inequality and development strategies.</li> <li>• The course will help to understand the possible burden, benefits and distribution of taxes among various classes of people.</li> </ul>	
Credits:	04	
Max. Marks: 100	Min. Passing Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>UNIT-I:</b> (Measuring Growth & Development)	Economic Growth & Economic Development: Characteristics of Underdeveloped and Developing countries. Indices of Economic Development: Per capita income, Physical Quality of Life Index, Basic Needs Approach, Human Development Index; Gender Development Index & Gender Empowerment Measures	12
<b>UNIT-II:</b> (Stages of	Stages of Economic Growth: Marxian Theory, Rostow's Theory of	14

Growth & Labour Surplus Economy)	Stages, Comparison of the models; Acceleration to Growth & Development: Rosenstein Rodan's Big Push Theory. Labour Surplus Economy: Disguised unemployment, Problem of Labour Surplus Economy, Lewis Model of Unlimited Supplies of Labour, Ranis-Fei Model.	
<b>UNIT-III:</b> (Poverty, Inequality & Development Strategies)	Concepts of Poverty & Inequality, Measuring Poverty; Measuring Inequality; Vicious Cycle of Poverty; Lorenz Curve & Gini coefficient. Development Strategies: Balanced vs Unbalanced Growth, Choice of Technique in a labour-surplus economy.	12
<b>Unit-IV:</b> (Trade & Economic Development)	Free Trade vs Protection, Advantages & Disadvantages of free trade & protection; Export Promotion & Import substitution; Infant Industry Argument of Protection; Prebisch-Singer Thesis. Foreign Capital: Forms, Advantages & Disadvantages; Foreign Aid.	12
<b>Suggested Readings:</b>		
<ol style="list-style-type: none"> <li>1. Barro, R. &amp; Xavier Sala-i-Martin, Economic Growth, The MIT Press</li> <li>2. Basu, K., Analytical Development Economics: The Less Developed Economy Revisited, OUP</li> <li>3. Hayami, Y. and Godo, Y., Development Economics: From Poverty to Wealth of Nations, Oxford University Press.</li> <li>4. Meier G.M., Leading Issues in Economic Development, Oxford University Press, New Delhi, latest edition.</li> <li>5. Ray, Debraj, Development Economics, Oxford University Press, latest edition.</li> <li>6. Thirlwall, A.P., Economics of Development: Theory and Evidence. Palgarve Macmillan</li> <li>7. Todaro Michael P &amp; Smith Stephen C., Economic Development, Pearson</li> <li>8. World Bank. World Development Report, Selected Years.</li> </ol>		
Suggested Continuous Evaluation Methods: Assignment / Test / MCQ		
Assignment /Test/Quiz(MCQ)/Presentations		