Programme/ Class Degree: BA	Year: Third	Semester: 6th
Subject: Economics (Major), Paper-XIII		
Course Code:	**Course Title: Economy of Tripura**	
Course Objective:	● Provide basic knowledge on the Economy of Tripura to the learners ● Enable the students learn about the growth and development experiences of the state ● Help the students to analyse the various dimensions of Tripura's Economy	
Course Outcome:	● Enable the students to learn about the features and characteristics of the economy of Tripura ● Boost the knowledge base of the students and help them pursue their career goals and real life objectives ● Facilitate the learners to engage with the society in a more fruitful manner and lead to welfare of all and betterment of society ● 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	
Credits:04		
FullMarks:100	MinimumPassMarks:40	
Unit	**Topics**	**No. of Lectures**
I - Historical Background, Population & Size of the Economy	Historical & Geographical background; An Economic History of Tripura Population growth- after & before 1971; Trends in Demographic Parameters, Population Density; Sex Ratio; Life Expectancy; Fertility Rate; Mortality Rates; Work Force and Labour Force Participation, Occupational Distribution Trend-wise & Sector-wise Composition of GSDP/ GSVA; Per capita income; Trends in per-capita NSDP	07
II Sectoral Status	Agriculture: Land holding patterns, Land reforms, cropping pattern, Production and productivity of principal crops; Diversification of the rural economy- Horticulture; Floriculture; Plantations; Fishery; Animal Husbandry/ Livestock; Non-farm activities; Challenges and prospects of the sector Industry- Extent of Manufacturing; Hydrocarbon (Natural Rubber, Gas and Thermal) industry; Handlooms & Handicrafts; Status, challenges and prospects of the sector Service Sector- Size and Composition; Tourism Resources and its potential; banking & financial sector activities; Major items of trade and commerce	12
III State Finances & Infrastructure	Trends and Composition of Government Receipts; Impact of GST on the state revenues; Composition of Public expenditure and its implications; Sustainability of Government Borrowing; TFRBM Act; Fiscal Devolution to Local Bodies; Grants of Finance Commissions Infrastructure- Status of Road, Rail, Air Connectivity, Status of Power & Telecommunications, Human Development Indicators- extent of infrastructure of education & health	12
IV Development	Economic Transition of Tripura- Rehabilitation of the Shifting Cultivators, Economy of TTAADC	09

experiences & Neighbourhood	Major Developmental Interventions- Gumti Hydel Project, Palatana Power Project, JICA, Indo-German Project, World Bank Aids	
	Status of SDGs In Tripura	
	Tripura and her neighbours- Volume & Composition of International Trade; Border Haats; Act East Policy and its implications	

Suggested Readings

1) Pravas Ranjan Bhattacharjee—*Economic Transition in Tripura (1993)*, Vikas Publishing House

2) Indraneel Bhowmik & Debajit Chakraborti—*Resources & Economy of Tripura (2011)*, EBH Publishers.

3) Kiran Shankar Chakraborty, Abhijit Sarkar & Bibhuti Bhushan Sarkar—*Agricultural Development in Tripura (2014)*, Akansha Publishing House.

4) Nani Ranjan Datta—*Economic Development of Tripura in the background of North East (2021)*, Omsons Publications

5) Govt. of Tripura- *Economic Review of Tripura* (Yearly issues)

6) NITI Aayog- *North Eastern Region District SDG Index*;
 https://www.niti.gov.in/sites/default/files/2021-08/NER_SDG_Index_NITI_26082021.pdf

7) Tripura Human Development Report (2005) published by Govt of Tripura

8) Anasu Basu Ray Chaudhury and Ambar Kumar Ghosh- *Situating India's Northeast in the Bay of Bengal Regional Architecture (2023)*, ORF

9) Salim Shah - *Agriculture in Tripura: Its Problems and Prospects* (2004), Progressive Publishers

10)   Evaluation of State Finances of Tripura (Various Issues), Finance Commission Reports, GoI

Programme/Class Degree: BA	Year: Third	Semester: VI
Subject : Economics (Major)		
Course Code: EC114C	**Course Title: International Trade**	
Course Objective:	• This course introduces the basics of international trade theory and examines the effects of international economic policies on domestic and world welfare.	
Course Outcome:	It aims to students to: • acquaint with the principles and main theoretical concepts in international trade; • familiarize students with the main issues in trade policy; • demonstrate their understanding of the usefulness and problems related to topics in international trade, and demonstrate their critical understanding of trade policies.	
Credits:	04	
Max. Marks: 100	Min. Pass Marks: 40	
Unit	Topics	No. of Lectures
Unit-I: Trade Theories	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. 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.	12
Unit-II: Balance of Payments	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	12
Unit-III: Foreign Exchange	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.	12
Unit-IV: Trade Policies	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	12
Suggested Readings (latest edition):		

- So˙dersten, 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.

Program/Course: B.A./ B.Sc. Major	Year: 3rd		Semester: VI
Subject: Economics (Major)			
Course Code:	**Course Title: Statistics – II**		
Course objective:	• To teach the analysis of chance events in a logically sound manner • To teach the model and variability of data on random variable. • To teach the sample survey method from a large population and to establish representative results of small sample of a large population. • (iv) To teach making estimates about population and testing hypothesis to draw conclusions about population.		
Course Outcome:	• The students will learn the analysis under uncertain situation. • The course will help to the students to prepare the model using random variable. • It may help to the students how to draw sample from the population. • They will learn estimating, testing and conclusion about population.		
Credits:	4		
Full Marks: 100	Min. Passing Marks: 40		
Unit	Topics		**No. of Lectures**
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, *An Outline of Statistical Theory*, Vol. II., World Press Publication 2. N G Das, *Statistical Method*, Vol. II (Part II in new edition) 3. Robert V. Hogg, Elliots A Tanis and Jagan Mohan Rao, Probability and *Statistical Inference.* 4. S. C. Gupta and V. K. Kapoor, *Fundamentals of Mathematical Statistics*. 5. Morris Humburg, *Statistical Decision Making.*	

Programme/Class Degree:	Year: Third	Semester: VI

Subject: Economics (Major) Paper-XVI

Course Code:	**Course Title:** Econometrics

Course Objective:	• To introduce the students to the discipline of Econometrics • To introduce the Method of Ordinary Least Squares to the students
Course Outcome:	• The students get familiarized with the basics ideas of the discipline of Econometrics • The students are able to comprehend the two-variable case of Simple Linear Regression Analysis • 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.

Credits:	04

Max. Marks: 100	Min. Passing Marks: 40

Unit	Topics	No. of Lectures
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

UNIT-IV: Violation of Classical Assumptions	Factor (VIF)) and Way out Heteroscedasticity - Consequences, Detection (Lagrange Multiplier test) and Way out Auto-correlation - Consequences, Detection (Durbin-Watson Test) and Way out	

Suggested Readings:

- D. Gujarati, *Basic Econometrics*, McGraw Hill Higher Education.
- G.S.Maddala, *Introduction to Econometrics*, John Wiley & Sons.
- Joydeb Sarkhel, Santosh Kumar Dutta, *Introduction to Econometrics,* Book Syndicate Pvt. Ltd.
- Wooldridge, Jeffrey M. Introductory Econometrics – A Modern Approach, CENGAGE Learning
- Green, W.H. (2011) Econometric Analysis, 7th Edition, Prentice Hall

Suggested Continuous Evaluation Methods: Assignment / Test / MCQ

Assignment /Test/Quiz(MCQ)/Presentations

Programme/Class Degree: BA	Year: Third	Semester: VI

Subject: Economics (Minor)- VI

CourseCode:	Course Title: Economics of NER & Tripura	
Course Objectives	● Provide knowledge on the various facets of the Economy of the NER of India ● Enable the students to learn to analyse the growth and development experiences of the region ● Highlight the different prospects which can be explored for future	
Course Outcome	● Upon completion of this course, students will be able to: ● Demonstrate knowledge of the key sectors of the Indian economy ● Analyse the impact of economic reforms ● Identify and analyse current economic issues and challenges ● Articulate informed opinions on economic policy matters ● DevelopcriticalthinkingandanalyticalskillsinthecontextofIndianeconomicissues	
Credits: 04		
Max.Marks:100	Min.PassingMarks:40	

Unit	Topics	No. of Lectures
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

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
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