



## Nalbari College, Nalbari

### Teaching Plan for Odd Semester (August- December)

Name of the Teacher: Dr. Subrata Barman

Department: Economics

Semester: 1st

Paper Name: MATHEMATICAL METHODS IN ECONOMICS-I

Paper Code:ECO-HC-1026

#### Learning Objectives:

This is the first of a compulsory two-course sequence. The objective of this sequence is to transmit the body of basic mathematics that enables the study of economic theory at the undergraduate level, specifically the courses on microeconomic theory, macroeconomic theory, statistics and econometrics set out in this syllabus. In this course, particular economic models are not the ends, but the means for illustrating the method of applying mathematical techniques to economic theory in general. The level of sophistication at which the material is to be taught is indicated by the contents of the prescribed textbook.

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
Class – 1	<b>Unit-I:</b> Sets and set operations	Book and e-Resource	Chalk and Black Board	Participating Learning	Assignment and class test
Class – 2	Sets and set operations	Book and e-Resource	Chalk and Black Board	Participating Learning	
Class – 3	Sets and set operations	Book and e-Resource	Chalk and Black Board	Participating Learning	
Class – 4	Relations and functions	Book and e-Resource	Chalk and Black Board	Participating Learning	
Class – 5	Relations and functions	Book and e-Resource	Chalk and Black Board	Participating Learning	

Class – 6	Number system	Book and e-Resource	Chalk and Black Board	Participating Learning
Class – 7	Number system	Book and e-Resource	Chalk and Black Board	Participating Learning
Class test				
Class – 8	<b>Unit-II:</b> Elementary types of functions: quadratic, polynomial	Book and e-Resource	Chalk and Black Board	Participating Learning
Class – 9	Elementary types of functions: power, exponential, logarithmic, convex	Book and e-Resource	Chalk and Black Board	Participating Learning
Class – 10	Elementary types of functions: quasi-convex and concave functions	Book and e-Resource	Chalk and Black Board	Participating Learning
Class – 11	Elementary types of functions: quasi-convex and concave functions	Book and e-Resource	Chalk and Black Board	
Class – 12	Limit and continuity of functions	Book and e-Resource	Chalk and Black Board	
Class – 13	Limit and continuity of functions	Book and e-Resource	Chalk and Black Board	
Class – 14	Limit and continuity of functions	Book and e-Resource	Chalk and Black Board	
Class test				
Class – 15	<b>Unit-III:</b> Differentiation of a function, Basic rules of differentiation	Book and e-Resource	Chalk and Black Board	Participating Learning
Class – 16	Differentiation of a function, Basic rules of differentiation	Book and e-Resource	Chalk and Black Board	
Class-17	Partial differentiation	Book and e-Resource	Chalk and Black Board	
Class-18	Partial differentiation	Book and e-Resource	Chalk and Black Board	
Class-19	Partial differentiation	Book and e-Resource	Chalk and Black Board	
Class-20	Applications of Partial differentiation	Book and e-Resource	Chalk and Black Board	
Class-21	Applications of Partial differentiation	Book and e-Resource	Chalk and Black Board	

Class-22	Applications of Partial differentiation	Book and e-Resource	Chalk and Black Board		
Class-23	Total differentiation	Book and e-Resource	Chalk and Black Board		
Class-24	Total differentiation	Book and e-Resource	Chalk and Black Board		
Class-25	Second and higher order derivatives for single variable	Book and e-Resource	Chalk and Black Board		
Class-26	Second and higher order derivatives for single variable	Book and e-Resource	Chalk and Black Board		
Class-27	Economic applications of differentiation	Book and e-Resource	Chalk and Black Board		
Class-28	Economic applications of differentiation	Book and e-Resource	Chalk and Black Board		
Class-29	Economic applications of differentiation	Book and e-Resource	Chalk and Black Board		
Class-30	Economic applications of differentiation		Chalk and Black Board		
Class test					
Class-31	<b>Unit-III:</b> Local and global optima: geometric characterization	Book and e-Resource	Chalk and Black Board		
Class-32	Local and global optima: geometric characterization	Book and e-Resource	Chalk and Black Board		
Class-33	Characterization using calculus: tests for maximization and minimization	Book and e-Resource	Chalk and Black Board		
Class-34	Characterization using calculus: tests for maximization and minimization	Book and e-Resource	Chalk and Black Board		
Class-35	Applications: profit maximization	Book and e-Resource	Chalk and Black Board		
Class-36	Applications: profit maximization	Book and e-Resource	Chalk and Black Board		

Class-37	Applications: profit maximization	Book and e-Resource	Chalk and Black Board		
Class-38	Cost minimization	Book and e-Resource	Chalk and Black Board		
Class-39	Cost minimization	Book and e-Resource	Chalk and Black Board		
Class-40	Cost minimization	Book and e-Resource	Chalk and Black Board		
Class-41	Revenue maximization	Book and e-Resource	Chalk and Black Board		
Class-42	Revenue maximization	Book and e-Resource	Chalk and Black Board		
Class test					

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**Nalbari College, Nalbari**

**Teaching Plan for the Session: Even Semester (January- June)**

**Name of the Teacher: Dr. Subrata Barman**

**Department: Economics**

**Semester: 2<sup>nd</sup>**

**Paper Name: MATHEMATICAL METHODS IN ECONOMICS - II**

**Paper Code: ECO-HC-2026**

**Learning Objectives:**

This course is the second part of a compulsory two-course sequence. This part is to be taught in Semester II following the first part in Semester I. The objective of this sequence is to transmit the body of basic mathematics that enables the study of economic theory at the undergraduate level, specifically the courses on microeconomic theory, macroeconomic theory, statistics and econometrics set out in this Syllabus. In this course, particular economic models are not the ends, but the means for illustrating the method of applying mathematical techniques to economic theory in general. The level of sophistication at which the material is to be taught is indicated by the contents of the prescribed textbook.

<b>.Sl. No of Lecture</b>	<b>Topic/ Subtopic</b>	<b>Learning Resources</b>	<b>Mode of Teaching &amp; ICT Tools</b>	<b>Experiential / Participating Learning Used</b>	<b>Mode of Assessment for CIE</b>
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Day – 1	<b>Unit-II:</b> What is function?, Types of function	Books and e-resource	Chalk and Board	Participating Learning	Assignment
Day – 2	Different forms of function	Books and e-resource	Chalk and Board	Participating Learning	
Day – 3	Homogeneous functions	Books and e-resource	Chalk and Board	Participating Learning	
Day – 4	Homogeneous functions	Books and e-resource	Chalk and Board	Participating Learning	
Day – 5	Homothetic functions, Difference between Homogeneous and Homothetic function	Books and e-resource	Chalk and Board	Participating Learning	
Day – 6	Concepts of Differentiable functions, Implicit Function Theorem	Books and e-resource	Chalk and Board	Participating Learning	
Day – 7	Concepts of Differentiable functions, Implicit Function Theorem	Books and e-resource	Chalk and Board	Participating Learning	
Day – 8	Applications of Implicit Function Theorem	Books and e-resource	Chalk and Board	Participating Learning	
Day – 9	Class test				
Day – 10	<b>Unit-III:</b> Concept and conditions of Unconstrained Optimization,	Books and e-resource	Chalk and Board	Participating Learning	Assignment
Day – 11	Geometric characterization of Unconstrained Optimization	Books and e-resource	Chalk and Board	Participating Learning	
Day – 12	Geometric characterization of Unconstrained Optimization	Books and e-resource	Chalk and Board	Participating Learning	
Day – 13	Applications of Price discriminating monopoly, Multiplan and joint product firm firm	Books and e-resource	Chalk and Board	Participating Learning	
Day – 14	Applications of Price discriminating monopoly, Multiplan and joint product firm firm	Books and e-resource	Chalk and Board	Participating Learning	
Day – 15	Applications of Price discriminating monopoly, Multiplan and joint product firm.	Books and e-resource	Chalk and Board	Participating Learning	
Day – 16	Concept Conditions of constrained optimization, constrained optimization with equality constraints	Books and e-resource	Chalk and Board	Participating Learning	

Day – 17	Concept Conditions of constrained optimization, constrained optimization with equality constraints	Books and e-resource	Chalk and Board	Participating Learning	
Day – 18	Concept Conditions of constrained optimization, constrained optimization with equality constraints	Books and e-resource	Chalk and Board	Participating Learning	
Class test	Consumer's equilibrium	Books and e-resource	Chalk and Board	Participating Learning	
Day – 19	Applications of consumer's & producer's equilibrium	Books and e-resource	Chalk and Board	Participating Learning	
Day –21	Applications of producer's equilibrium	Books and e-resource	Chalk and Board	Participating Learning	
Day –22	Class Test				
Day –23	Unit-V: Concept of Difference equation, First order difference equation	Books and e-resource	Chalk and Board	Participating Learning	
Day –24	Concept of Difference equation, First order difference equation	Books and e-resource	Chalk and Board	Participating Learning	
Day –25	Cob-Web market model	Books and e-resource	Chalk and Board	Participating Learning	Assignment
Day –26	Cob-Web market model	Books and e-resource	Chalk and Board	Participating Learning	
Day –27	Class test				



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Teaching Plan for Odd Semester (August- December)

Name of the Teacher: Dr. Subrata Barman

Department: Economics

Semester: 3<sup>rd</sup>

Paper Name: Statistical Methods for Economics

Paper Code: ECO-HC-3036

Learning Objectives:

This is a course on statistical methods for economics. It begins with some basic concepts and terminology that are fundamental to statistical analysis and inference. It then develops the notion of probability, followed by probability distributions of discrete and continuous random variables and of joint distributions. This is followed by a discussion on sampling techniques used to collect survey data. The course introduces the notion of sampling distributions that act as a bridge between probability theory and statistical inference. The semester concludes with some topics in statistical inference that include point and interval estimation.

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
Day – 1	<b>Unit-I:</b> Concept and differences between populations and samples, Concept and differences between population parameters and sample statistics, Measures of location; Objectives of Averaging, Requisites of a good Average	Books and e- resources	Chalk and board	Participating Learning	Assignment
Day – 2	Concept and differences between populations and samples, Concept and differences between population parameters and sample statistics, Measures of location; Objectives of	Books and e- resources	Chalk and board	Participating Learning	



	Averaging, Requisites of a good Average				
Day – 3	, Concept of Arithmetic Mean (AM)- Simple AM and Weighted AM. Calculation of AM – Individual Observation, Discrete Series and Continuous Series.	Books and e- resources	Chalk and board	Participating Learning	
Day – 4	Properties of AM and Weighted AM, Concept of Arithmetic Mean (AM), Geometric Mean (GM and Harmonic Mean (HM), Relationship between AM, GM and HM.	Books and e- resources	Chalk and board	Participating Learning	
Day – 5	Median - Individual Observation, Discrete Series and Continuous Series.	Books and e- resources	Chalk and board	Participating Learning	
	Median - Individual Observation, Discrete Series and Continuous Series.	Books and e- resources	Chalk and board	Participating Learning	
Day – 6	Mode - Individual Observation, Discrete Series and Continuous Series & using Grouping table and Analyze table	Books and e- resources	Chalk and board	Participating Learning	
Day – 7	Mode - Individual Observation, Discrete Series and Continuous Series & using Grouping table and Analyze table	Books and e- resources	Chalk and board	Participating Learning	
Day – 8	Mode - Continuous Series using Grouping table and Analyze table and $\text{Mode} = (3\text{Median} - 2\text{Mean})$ , Determination of Mode Graphically	Books and e- resources	Chalk and board	Participating Learning	
Day – 9	Variation: Concept of Dispersion, Methods of studying Variation, Basic concept of Range, Inter Quartile Range and Quartile Deviation, Mean Deviation, Standard Deviation	Books and e- resources	Chalk and board	Participating Learning	

Day – 11	Measurement of Range - Individual Observation, Discrete Series and Continuous Series & Measurement of Quartile Deviation - Individual Observation, Discrete Series and Continuous Series.	Books and e- resources	Chalk and board	Participating Learning	
Day – 12	Measurement of Mean Deviation - Individual Observation, Discrete Series and Continuous Series & Measurement of Standard Deviation - Individual Observation, Discrete Series and Continuous Series.	Books and e- resources	Chalk and board	Participating Learning	
Day – 13	Measurement of Mean Deviation - Individual Observation, Discrete Series and Continuous Series & Measurement of Standard Deviation - Individual Observation, Discrete Series and Continuous Series.	Books and e- resources	Chalk and board	Participating Learning	
Day – 14	Moment : Calculation of Moments –About the Origin, Arbitrary Value, Actual Mean	Books and e- resources	Chalk and board	Participating Learning	
Day – 15	Moment : Calculation of Moments –About the Origin, Arbitrary Value, Actual Mean	Books and e- resources	Chalk and board	Participating Learning	
Day – 16	Moment : Calculation of Moments –About the Origin, Arbitrary Value, Actual Mean	Books and e- resources	Chalk and board	Participating Learning	
Day – 17	Moment : Calculation of Moments –About the Origin, Arbitrary Value, Actual Mean	Books and e- resources	Chalk and board	Participating Learning	
Day – 18	Moment : Calculation of Moments –About the Origin, Arbitrary Value, Actual Mean	Books and e- resources	Chalk and board	<i>Participating Learning</i>	
Day – 19	Moment : Calculation of Moments –About the Origin, Arbitrary Value,	Books and e- resources	Chalk and board	<i>Participating</i>	

	Actual Mean			<i>Learning</i>	
Day – 20	Class test				
Day – 21	<b>Unit-II:</b> Concept of Probability	Books and e- resources	Chalk and board	Participating Learning	Assignment
Day – 22	Mathematical or Classical or Priory Probability. (with some problems)	Books and e- resources	Chalk and board	Participating Learning	
Day – 23	Mathematical or Classical or Priory Probability. (with some problems)	Books and e- resources	Chalk and board	Participating Learning	
Day – 24	Theorems of Probability: Addition and Multiplication Law of Probability.	Books and e- resources	Chalk and board	Participating Learning	
Day – 25	Applications of Probability: Addition and Multiplication Law of Probability.	Books and e- resources	Chalk and board	Participating Learning	
Day – 26	Conditional Probability & Bay's Law, Independence of Event	Books and e- resources	Chalk and board	Participating Learning	
Day – 27	Class Test				
Day – 28	<b>Unit-III:</b> Defining random variables; probability distributions	Books	Chalk and board	Participating Learning	Assignment
Day – 29	Probability distributions	Books and e- resources	Chalk and board	Participating Learning	
Day – 30	Expected values of random variables and of functions of random variables	Books and e- resources	Chalk and board	Participating Learning	
Day – 31	Expected values of random variables and of functions of random variables	Books and e- resources	Chalk and board	Participating Learning	
Day – 32	Expected values of random variables and of functions of random variables	Books and e- resources	Chalk and board	Participating Learning	
Day – 33	Properties of commonly used discrete and continuous	Books and e- resources	Chalk and board	Participating Learning	

	distributions – uniform and binomial distribution				
Day – 34	Properties of commonly used discrete and continuous distributions – uniform and binomial distribution	Books and e- resources	Chalk and board	Participating Learning	
Day – 35	Poisson and normal random variables	Books and e- resources	Chalk and board	Participating Learning	
Day – 36	Poisson and normal random variables	Books and e- resources	Chalk and board	Participating Learning	
Day – 37	Poisson and normal random variables	Books and e- resources	Chalk and board	Participating Learning	
Day – 38	Class test				
Day – 39	<b>Unit-IV:</b> Density and distribution functions for jointly distributed random variables- basic concepts	Books and e- resources	Chalk and board	Participating Learning	Assignment
Day – 40	Density and distribution functions for jointly distributed random variables- basic concepts	Books and e- resources	Chalk and board	Participating Learning	
Day – 41	covariance and correlation coefficients	Books and e- resources	Chalk and board	Participating Learning	
Day – 42	Principal steps in a sample survey; methods of sampling;	Books and e- resources	Chalk and board	Participating Learning	
Day – 43	Class test				
Day – 44	<b>Unit-IV:</b> Sampling techniques- Random, Stratified random, multi-stage random and systematic random sampling	Books and e- resources	Chalk and board	Participating Learning	Assignment
Day – 45	Sampling techniques- Random, Stratified random, multi-stage random and systematic random sampling	Books and e- resources	Chalk and board	Participating Learning	
Day – 46	Sampling techniques- Multi-stage random and systematic random sampling	Books and e- resources		Participating Learning	

Day – 47	Sampling techniques- Multi-stage random and systematic random sampling	Books and e- resources		Participating Learning	
Day – 48	The role of sampling theory; properties of random samples.	Books and e- resources		Participating Learning	



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Teaching Plan for Even Semester (January- June)

Name of the Teacher: Dr. Subrata Barman

Department: Economics

Semester: 4<sup>th</sup>

Paper Name: INTRODUCTORY ECONOMETRICS

Paper Code: ECO-HC-4036

Learning Objectives:

This course provides a comprehensive introduction to basic econometric concepts and techniques. It covers statistical concepts of hypothesis testing, estimation and diagnostic testing of simple and multiple regression models. The course also covers the consequences of and tests for misspecification of regression models.

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
Class – 1	<b>Unit-I:</b> Definition, Scope, Goals and Limitations of Econometrics,	Books and e- resources	PPT	Participating Learning	Assignment and class test
Class – 2	Definition, Scope, Goals and Limitations of Econometrics,	Books and e- resources	PPT	Participating Learning	
Class – 3	Testing of hypotheses, Level of significance, distributions of test statistics;	Books and e- resources	Chalk and Board	Participating Learning	
Class – 4	Testing of hypotheses, Level of significance, distributions of test statistics;	Books and e- resources	Chalk and Board	Participating Learning	

Class – 5	Testing hypotheses related to population parameters	Books and e- resources	Chalk and Board	Participating Learning
Class – 6	Testing hypotheses related to population parameters	Books and e- resources	Chalk and Board	Participating Learning
Class – 7	Testing hypotheses related to population parameters	Books and e- resources	Chalk and Board	Participating Learning
Class – 8	Type I and Type II errors, power of a test; tests for comparing parameters from two samples	Books and e- resources	Chalk and Board	Participating Learning
Class – 9	Normal distribution	Books and e- resources	Chalk and Board	Participating Learning
Class – 10	Normal distribution	Books and e- resources	Chalk and Board	Participating Learning
Class – 11	Chi-square Distribution	Books and e- resources	Chalk and Board	Participating Learning
Class – 12	Chi-square Distribution	Books and e- resources	Chalk and Board	Participating Learning
Class – 13	Chi-square Distribution	Books and e- resources	Chalk and Board	Participating Learning
Class – 14	t- Distribution	Books and e- resources	Chalk and Board	Participating Learning
Class – 15	t- Distribution	Books and e- resources	Chalk and Board	Participating Learning
Class – 16	t- Distribution	Books and e- resources	Chalk and Board	Participating Learning
Class – 17	F- Distribution	Books and e- resources	Chalk and Board	Participating Learning
Class – 19	F- Distribution	Books and e- resources	Chalk and Board	<b>Participating Learning</b>
Class – 20	F- Distribution	Books and e- resources	Chalk and Board	<b>Participating Learning</b>

Class – 21	Class test				
Class – 22	<b>Unit-II:</b> Estimation of model by method of ordinary least squares (OLS Method)	Books and e- resources	Chalk and Board	Participating Learning	Assignment and class test
Class – 23	Estimation of model by method of ordinary least squares (OLS Method)	Books and e- resources	Chalk and Board	Participating Learning	
Class – 24	Estimation of model by method of ordinary least squares (OLS Method)	Books and e- resources	Chalk and Board	Participating Learning	
Class – 25	Properties of estimators; Gauss-Markov theorem	Books and e- resources	Chalk and Board	Participating Learning	
Class – 26	Properties of estimators; Gauss-Markov theorem	Books and e- resources	Chalk and Board	Participating Learning	
Class – 27	Properties of estimators; Gauss-Markov theorem	Books and e- resources	Chalk and Board	Participating Learning	
Class – 28	Goodness of fit and tests of hypotheses	Books and e- resources	Chalk and Board	Participating Learning	
Class – 29	Goodness of fit and tests of hypotheses	Books and e- resources	Chalk and Board	Participating Learning	
Class – 30	Goodness of fit and tests of hypotheses	Books and e- resources	Chalk and Board	Participating Learning	
Class – 31	Scaling and units of measurement; confidence intervals; forecasting	Books and e- resources	Chalk and Board	Participating Learning	
Class – 32	Scaling and units of measurement; confidence intervals; forecasting	Books and e- resources	Chalk and Board	Participating Learning	
Class – 33	<b>Unit-III:</b> Estimation of Multiple Linear Regression Model parameters and properties of OLS estimators	Books and e- resources	Chalk and Board	Participating Learning	
Class – 34	Books and e- resources	Chalk and Board	<b>Participating Learning</b>	Assignment and class test	



Class – 35	Estimation of Multiple Linear Regression Model parameters and properties of OLS estimators	Books and e- resources	Chalk and Board	Participating Learning	Assignment and class test
Class – 36	Goodness of fit - $R^2$ and adjusted $R^2$	Books and e- resources	Chalk and Board	Participating Learning	
Class – 37	Goodness of fit - $R^2$ and adjusted $R^2$	Books and e- resources	Chalk and Board	Participating Learning	
Class – 38	Goodness of fit - $R^2$ and adjusted $R^2$	Books and e- resources	Chalk and Board	Participating Learning	
Class – 39	Partial regression coefficients	Books and e- resources	Chalk and Board	Participating Learning	
Class – 40	Partial regression coefficients	Books and e- resources	Chalk and Board	Participating Learning	
Class – 41	Testing hypotheses – individual and joint; functional forms of regression models	Books and e- resources	Chalk and Board	Participating Learning	
Class – 42	Testing hypotheses – individual and joint; functional forms of regression models	Books and e- resources	Chalk and Board	Participating Learning	
Class – 43	Testing hypotheses – individual and joint; functional forms of regression models	Books and e- resources	Chalk and Board	Participating Learning	
Class – 44	Qualitative (dummy) independent variables	Books and e- resources	Chalk and Board	Participating Learning	
Class – 45	Qualitative (dummy) independent variables	Books and e- resources	Chalk and Board	Participating Learning	
Class – 46	Qualitative (dummy) independent variables	Books and e- resources	Chalk and Board	Participating Learning	
Class – 47	Class test				
Class – 48	<b>Unit-V:</b> Omission of a relevant variable; inclusion of irrelevant variable	Books and e- resources	Chalk and Board	Participating Learning	Assignment and class test
Class – 49	Omission of a relevant variable; inclusion of irrelevant variable	Books and e- resources	Chalk and Board	Participating Learning	

				Learning	
Class – 50	Inclusion of irrelevant variable	Books and e- resources	Chalk and Board	Participating Learning	
Class –51	Tests of specification errors	Books and e- resources	Chalk and Board	Participating Learning	
Class –52	Tests of specification errors	Books and e- resources	Chalk and Board	Participating Learning	
Class –63	Class test				

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Teaching Plan for the Session:2023-24 (Odd Sem, August- December)

Name of the Teacher: Dr. Subrata Barman

Department: Economics

Semester: 5<sup>th</sup> (Regular/ Generic)

Paper Name: Economic Development and Policy in India-I

Paper Code: ECO-RE-5016

Learning Objectives:

This course reviews major trends in aggregate economic indicators in India and places these against the backdrop of major policy debates in India in the post- Independence period.

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
Day – 1	<b>Unit-I:</b> Issues in Growth	Books and e-resource	Chalk and Board	Participating Learning	Assignment/ Class Test and Sessional Exam
Day – 2	Issues in Growth	Books and e-resource	Chalk and Board	Participating Learning	
Day – 3	Issues in Growth	Books and e-resource	Chalk and Board	Participating Learning	
Day – 4	Issues in Growth	Books and e-resource	Chalk and Board	Participating Learning	
Day – 5	Development and Sustainability	Books and e-resource	Chalk and Board	Participating Learning	
Day – 6	Development and Sustainability	Books and e-resource	Chalk and Board	Participating Learning	

Day – 7	Development and Sustainability	Books and e-resource	Chalk and Board	Participating Learning	
Day – 8	Development and Sustainability	Books and e-resource	Chalk and Board	Participating Learning	
Day – 9	Development and Sustainability	Books and e-resource	Chalk and Board	Participating Learning	
Day – 10	Development and Sustainability	Books and e-resource	Chalk and Board	Participating Learning	
Day – 11	Class test				
Day – 12	<b>Unit-II:</b> Factors in Development: Capital formation - Physical	Books and e-resource	Chalk and Board	<b>Participating Learning</b>	Assignment/ Class Test and Sessional Exam
Day – 13	Factors in Development: Capital formation - Human	Books and e-resource	Chalk and Board	Participating Learning	
Day – 14	Factors in Development: Capital formation - Human	Books and e-resource	Chalk and Board	Participating Learning	
Day – 15	Factors in Development: Capital formation - Human	Books and e-resource	Chalk and Board	Participating Learning	
Day – 16	Factors in Development: Capital formation - Human	Books and e-resource	Chalk and Board	Participating Learning	
Day – 17	Factors in Development: Technology and institutions	Books and e-resource	Chalk and Board	Participating Learning	
Day – 18	Factors in Development: Technology and institutions	Books and e-resource	Chalk and Board	Participating Learning	
Day – 19	Factors in Development: Technology and institutions	Books and e-resource	Chalk and Board	Participating Learning	
Day – 20	Factors in Development: Technology and institutions	Books and e-resource	Chalk and Board	Participating Learning	
Day – 21	Class Test				
Day – 22	<b>Unit-III:</b> Population and Economic Development Demographic trends; urbanisation	Books and e-resource	Chalk and Board	Participating Learning	Assignment/ Class Test and Sessional Exam
Day – 23	Population and Economic Development Demographic trends; urbanisation	Books and e-resource	Chalk and Board	Participating Learning	
Day – 24	Population and Economic Development Demographic trends;	Books and e-	Chalk and	Participating Learning	

	urbanisation	resource	Board		
Day – 25	Population and Economic Development Demographic trends; urbanisation	Books and e-resource	Chalk and Board	Participating Learning	
Day – 26	Population and Economic Development Demographic trends; urbanisation	Books and e-resource	Chalk and Board	Participating Learning	
Day – 27	Population and Economic Development Demographic trends; urbanisation	Books and e-resource	Chalk and Board	Participating Learning	
Day – 28	Class Test				

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## Nalbari College, Nalbari

### Teaching Plan for the Session: August to December (Odd Semester)

Name of the Teacher: Dr. Bishnu Bhattacharyya

Department: *Economics*

Semester: *Ist Semester*

Paper Name: *(Major) Introductory Microeconomics, Unit -3 (The Household)*

Paper Code: ECO-HC-1016

#### Learning Objectives:

1. Expose the students to the basic principles
2. Microeconomic concept Applied to analyse real-life situation
3. Helps to take household decision
- 4.

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
UNIT-3	The Household	Books/E-learning materials	Lecture/Blackboard &ppt	Participatory	Assignment/Class test
1&2	The consumption decision - budget constraint,		Do-		
3-5	consumption and income/price changes, demand for all other goods and price changes;		Do-		

6.-7	description of preferences (representing preferences with indifference curves);		Do-		
8-10	Properties of indifference curves; consumer's optimum choice;		Do-		
11-14	Income and substitution effects		Do-		
15-17	Labour supply and savings decision - choice between leisure and consumption.		Do-		
17	Class test		Do-		
17-19	Tutorial		Do-		

*Bishu Bhattacharya.*

**Signature of the Teacher**

*Subrata Barman*

**Signature of the HoD**





## Nalbari College, Nalbari

### Teaching Plan for the Session: August to December (Odd Semester)

Name of the Teacher: Dr. Bishnu Bhattacharyya

Department: *Economics*

Semester: *Ist Semester*

Paper Name: *(Major) Mathematical Methods in Economics, Unit -5(Integration of function)* Paper Code: ECO-HC-1026

#### Learning Objectives:

1. Helps to solve economic problems with the help of mathematical formula.
2. Economic model can be explained.
3. Helps to

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
UNIT-5	<b>Integration of function</b>	Books/E-learning materials	Lecture/Blackboard	Participatory	Assignment/Class test
1&2	Meaning and significance of integration		Do-		
3-5	Basic rules of integration		Do-		
6	Significance of a constant after integration		Do-		
7-13	Applications: derivations of total functions (total cost, total revenue,		Do-		



	consumption and saving function)from marginal functions.				
14-18	consumer's surplus and producer's surplus		Do-		
19	Class test		Do-		
20-22	problemsrelating to investment and capital formation		Do-		
23-25	Tutorial		Do-		

*Bishu Bhattacharya.*

**Signature of the Teacher**

*Sukanta Barman*

**Signature of the HoD**





Nalbari College, Nalbari

## Teaching Plan for the Session: January to June (Even Semester)

Name of the Teacher: Dr. Bishnu Bhattacharyya

Department: *Economics*

Semester: *II Semesters*

Paper Name: *(Major) Mathematical Methods in Economics*

Unit -1&4

Paper Code: ECO-HC-2026

Learning Objectives:

1. Solving the economic problem with mathematics and statistical methods.
2. Illustrating the method of mathematical technique to economic theory
3. Economic model analysis

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
	<b>Unit-1 Linear algebra</b>	Books/E-learning materials	Lecture/Blackboard	Participatory	Assignment/class test
1,2	Matrix, various types of matrices	Books/E-learning materials	Lecture/Blackboard		
3	Vector and vector space - concept	Books/E-learning materials	-Do -		
4,5	Matrix operations: addition and subtraction	Books/E-learning	-Do -		

		materials			
6,7,8	Matrix multiplication	Books/E-learning materials	-Do -		
9	Rank, norm and trace of a matrix	Books/E-learning materials	-Do -		
10-13	Introduction to the concept of determinants and their properties	Books/E-learning materials	-Do -		
14	Non-singularity of matrix	Books/E-learning materials	-Do -		
15-18	Matrix inversion	Books/E-learning materials	-Do -		
19	Class Test	Books/E-learning materials	-Do -		
20-22	Solution of simultaneous equation bu using matrix inverse	Books/E-learning materials	-Do -		
23-24	Cramer's rule	Books/E-learning materials	-Do -		
25-29	Simple market model and national income model	Books/E-learning materials	-Do -		
	<b>Unit-4( Differential equation)</b>	Books/E-learning materials	-Do -		
30	Concept of differential equation	Books/E-learning materials	-Do -		
31-32	Different order of differential equation	Books/E-learning	-Do -		

		materials			
33-35	Solution of differential equation	Books/E-learning materials	-Do -		
36-38	Application to market model	Books/E-learning materials	-Do -		
39-45	Tutorial	Books/E-learning materials	-Do -		

*Bishu Bhattacharya.*

**Signature of the Teacher**

*Sukanta Barman*

**Signature of the HoD**





## Nalbari College, Nalbari

### Teaching Plan for the Session: August to December (Odd Semester)

Name of the Teacher: Dr. Bishnu Bhattacharyya

Department: *Economics*

Semester: *III Semester*

Paper Name: INTERMEDIATE MICROECONOMICS - I

Unit -2 (Production, Costs and Perfect Competition)

Paper Code: ECO-HC-3016

#### Learning Objectives:

1. Concept of production and cost
2. Gives microeconomic concept
3. Can be applied to analyse real-life situation

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1.	Introduction to importance of Technology	Books/E-learning materials	Lecture/Blackboard/ ppt	Participatory	Assignment/Class test
2.	Technological change and economic development		Do-		
3.	Introduction to Isoquants		Do-		
4,5	Properties of Isoquant		Do-		

6	Concept of production		Do-		
7,8.	Total product, marginal product & Average product		Do-		
9,10	Law of Diminishing Marginal Return or law of variable proportion		Do-		
11,12	Production function and factors responsible for increasing and decreasing returns		Do-		
13	Production with one variable input		Do-		
14,15	Production with more variable inputs		Do-		
16	Marginal Rate of Technical Substitution		Do-		
17,18	Least cost Combination of Factors		Do-		
19	Returns to Scale		Do-		
20	Constant Returns to Scale		Do-		
21	Increasing Returns to Scale		Do-		
22	Decreasing Returns to Scale		Do-		
23	Expansion Path		Do-		
24	Cost and its concept		Do-		
25	Cost function		Do-		
26	Short Run and Long Run Costs		Do-		
27,28	Total variable costs and Marginal Costs		Do-		
29	Graphing Average variable and Marginal Costs		Do-		
30	Derivation of SATC curves from STC curves.		Do-		

31	Derivation of Short Run Marginal Costs Curves from Short Run Total Costs Curves		Do-		
32,33	Derivation of Long Run Total Costs Curves from expansion path.		Do-		
34	The learning curve.		Do-		
35,36	Profit maximizing level of output ( Perfect competition)		Do-		
37	Short and long run output decision of firm under perfect competition		Do-		
38,39	Long run supply curve of Constant, Increasing and decreasing cost industry.		Do-		
40,	Consumers' surplus and Producers' Surplus		Do-		
41	Class test		Do-		
42	Market Efficiency		Do-		
43-46	Tutorial		Do-		

*Bishu Bhattacharya.*

**Signature of the Teacher**

*Subrata Sarman*

**Signature of the HoD**





Nalbari College, Nalbari

## Teaching Plan for the Session: January to June (Even Semester)

Name of the Teacher: Dr. Bishnu Bhattacharyya

Department: *Economics*

Semester: *IV Semester*

Paper Name: INTERMEDIATE MICROECONOMICS - II

Unit -2 (Market structure and game theory)

Paper Code: ECO-HC-4016

### Learning Objectives:

1. Giving conceptual clarity to market structure
2. It covers general equilibrium and welfare
3. Knowledge about imperfect market

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
	Market structure and Game theory	Books/E-learning materials	Lecture/Blackboard/ppt	Participatory	Assignment/class test
1	Concept of monopoly		Lecture/Blackboard/ppt		
2,3,4,	Monopoly pricing with market		Do-		



	power				
5	Degree of monopoly		-Do -		
6	Price discrimination.		-Do -		
7,8	Different degrees of price discrimination		-Do -		
9,10	Multi plant monopoly		-Do -		
11	Peak load problem		-Do -		
12,13	Perceived and proportional demand curve		-Do -		
14,15	Price output determination		-Do -		
16-22	Two person zero sum game , basic ideas and examples of non zero sum games, prisoner's dilemma		-Do -		
23	Class Test		-Do -		
24-29	Applications of game theory in oligopolistic Markets(Cournot equilibrium, Bertrand and Stackleberg Equilibrium)		-Do -		
30-33	Tutorial		-Do -		

Bishu Bhattacharya.



Sukanta Barman

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Nalbari College, Nalbari

## Teaching Plan for the Session: January to June (Even Semester)

Name of the Teacher: Dr. Bishnu Bhattacharyya

Department: *Economics*

Semester: *IV Semester*

Paper Name: **Introductory econometrics**

Unit -4 (Violation of Classical Assumptions: Consequences, Detection and Remedies)

Paper Code: ECO-HC-4036

### Learning Objectives:

1. Provide a comprehensive introduction to basic econometric concepts
2. It provides statistical concepts of hypothesis testing
3. Knowledge about simple and multiple regression models
4. Consequences and tests for misspecifications of regression models

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
	Violation of Classical Assumptions: Consequences, Detection and Remedies	Books/E-learning materials	Lecture/Blackboard	Participatory	Class test/ assignment
1-2	Concept of assumptions of classical regression models		-Do -		

3.	Concept of Multicollinearity		-Do -		
4-7	Violations of assumptions, consequences, detection and Remedial measures		-Do -		
8-11	Heteroscedasticity , assumptions, Violations of assumptions, consequences, detection and Remedial measures		-Do -		
12	Class Test				
13-16	Serial Correlations, assumptions, Violations of assumptions, consequences, detection and Remedial measures		-Do -		
17-20	Tutorials		-Do -		

*Bishu Bhattacharya.*

**Signature of the Teacher**

*Sukanta Barman*

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## Nalbari College, Nalbari

### Teaching Plan for the Session: August to December (Odd Semester)

Name of the Teacher: Dr. Bishnu Bhattacharyya

Department: *Economics*

Semester: *V Semester*

Paper Name: (Honours) ELEMENTS of PUBLIC FINANCE

Paper Code:

#### Learning Objectives:

1. Aiming towards careers in the government sector
2. Policy analysis
3. Business
4. Knowledge about tax system

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1. <b>Unit -1</b>	Introduction of Public Finance	Books/PDF	Lecture/Blackboard	Participating	Assignment/class test
2.&3	Subject matter and Normative theory of Public Finance		Do-		
4&5	Nature and Scope of public Finance		Do-		

6.	Allocation Function of Public Finance		Do-		
7.	Distribution function		Do-		
8.	Stabilization function		Do-		
9.	Nature of public Finance		Do-		
10&11	Coordinating the functions.		Do-		
12&13	Public goods and their characteristics		Do-		
14	Free Rider Problem		Do-		
15	Concept of Market Failure		Do-		
16,17	Causes of Market Failure		Do-		
18,19	Externalities vis-à-vis Public Good		Do-		
20	Concept of taxation		Do-		
21	Types of taxation		Do-		
22	Concept of direct and indirect taxation		Do-		
23	Comparison between direct and indirect taxation		Do-		
24	Merits and demerits of direct and indirect tax		Do-		
25,26	Tax rate and buoyancy of tax		Do-		
27	Elasticity of taxation		Do-		
28,29	The structure of tax rate		Do-		

30,31	Proportional, progressive & Regressive taxation		Do-		
32,33	Merits and demerits of Proportional, Progressive and regressive taxation		Do-		
34	Concept of Benefit principle and Ability to pay theory		Do-		
35	Principle of taxation, benefit principle		Do-		
36	Criticism of the benefit theory		Do-		
37,38	Ability to pay theory of taxation		Do-		
39	Diagrammatic representation of ability to pay theory		Do-		
40	Index of ability to pay		Do-		
42	Critique of Ability to pay theory		Do-		
43	Introduction to fiscal policy		Do-		
44	Class Test		Do-		
45	Definition and scope of fiscal policy		Do-		
46	Objectives of fiscal policy		Do-		
47	Instruments of Fiscal Policy		Do-		
48,49	A brief discussion of these instruments		Do-		
50,51	The link between monetary and fiscal Policies.		Do-		
52,53	Adopting Monetary Policy to complement Fiscal Policy		Do-		

54	Indian fiscal & monetary policy		Do-		
55	The Indian Experience.		Do-		
56	Indian Tax System		Do-		
57,58	Direct Taxes: Income Tax, Corporate Tax,		Do-		
59	Customs Duties and others		Do-		
60,61	Reforms in the Indirect Tax Structure		Do-		
62,63	Goods and service Tax.		Do-		
64	Introduction to public budget		Do-		
65	Different types of Budget		Do-		
66,67	Significance of budgeting and procedure of budgeting in India		Do-		
68	Types of deficit and their significance.		Do-		
69	Fiscal and Revenue deficit		Do-		
70	Revenue Deficit, Fiscal Deficit and Primary Deficit.		Do-		
71	Concept of Fiscal Federalism in India		Do-		
72,73	Principles of Fiscal Devolution		Do-		
74	Rational of fiscal federalism		Do-		
75,76	Horizontal and Vertical Fiscal Balance.		Do-		
77	Role of Finance Commission		Do-		

78,79	Federal Finance and the Finance Commission.		Do-		
80	Concept of Local Government Finances		Do-		
81	The State Subjects and its Budget.		Do-		
82,	Fiscal decentralization: Role of Municipalities and Gaon Panchayat		Do-		
83,	Problems of local finance		Do-		
84-90	Tutorial		Do-		

*Bishu Bhattacharya.*

**Signature of the Teacher**

*Subrata Barman*

**Signature of the HoD**







## Nalbari College, Nalbari

### Teaching Plan for the Session: August to December (Odd Semester)

**Name of the Teacher:** Dr. Bishnu Bhattacharyya

**Department:** *Economics*

**Semester:** *V Semester*

**Paper Name:** (General) ELEMENTS of PUBLIC FINANCE

**Paper Code:**

#### Learning Objectives:

1. Aiming towards careers in the government sector
2. Policy analysis
3. Business
4. Knowledge about tax system

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1.	Definition of tax. Characteristics of a good tax system. Canons of taxation.	Books/PDF	Lecture/Blackboard	Participating	Assignment/class test
2&3	Principles of taxations; Benefit principle and ability to pay Theory. Factors that determines the ability to pay.		Do-		

4,5&6	Different types of taxation. Direct and indirect taxation. Meaning and concept, Merits and Demerits of both the taxes.		Do-		
7	Rate schedule of taxations.		Do-		
8,9&10	Concepts of Proportional, Progressive, Regressive and Digressive taxations. Merits and Demerits of each others. Which one is superior to other?		Do-		
11,12	Burden of taxation; Impact, Incidence and shifting of taxation.		Do-		
13,14	Sharing of Tax Burden between buyers and sellers		Do-		
15,16	Concept of Taxable Capacity; Relative and Absolute Taxable capacity. Factors that determine the Taxable capacity.		Do-		
18,19	Effects of taxations on production and Distribution		Do-		
20	Role of taxations on Developing Economies.		Do-		
21-22	Concepts of government budget, Classification of Public Budget, Balanced and Unbalanced Budget.		Do-		
23	Sessional Examination		Do-		
24	Concepts of Capital and Revenue Budget.		Do-		
25	Brief ideas on Performance and Zero Based Budgeting		Do-		

26	Concept of Fiscal policy, Meaning and Objectives of Fiscal policy		Do-		
27	Components of Fiscal Policy		Do-		
28	Role of Fiscal Policy in a Developing Economy		Do-		
29	Concept, meaning and objectives of Federal Finance.		Do-		
30	Construction of Finance Commission of India, Current Finance Commission.		Do-		
30	Revisions and discussion of previous question papers.		Do-		

*Bishu Bhattacharya.*

**Signature of the Teacher**

*Subrata Barman*

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Nalbari College, Nalbari

**Teaching Plan for the Session: January to June (even Semester)**

**Name of the Teacher: Dr. Bishnu Bhattacharyya**

**Department: Economics**

**Semester: VI Semester**

**Paper Name: (Honours) Development Economics-II**

**Paper Code: ECO-HC-6026**

**Learning Objectives:**

1. Provides basic demographic concepts and its evolution during the process of development
2. Structure of markets and its link to the particular problems in poor countries
3. Provides knowledge the governance of communities and organizations.
4. Reflect the role of globalization
5. Reflects the increased international dependence on the process of development

<b>Sl. No of Lecture</b>	<b>Topic/ Subtopic</b>	<b>Learning Resources</b>	<b>Mode of Teaching &amp; ICT Tools</b>	<b>Experiential / Participating Learning Used</b>	<b>Mode of Assessment for CIE</b>
<b>Unit -1</b>	Demography and Development	Books/	Lecture/Blackboard	<b>Participating</b>	Assignment/class test
1	Introduction		Lecture/Blackboard/ppt		

2-5	Demographic concepts, birth and death rates, age structure, fertility and mortality; demographic transitions during the process of development		-Do -		
6-8	Gender bias in preferences and outcomes and evidence on unequal treatment within households		-Do -		
9-13	Connections between income, mortality, fertility choices and human capital accumulation.		-Do -		
14-15.	Migration.		-Do -		
<b>UNIT-2</b>	Land , Labour and Capital market		-Do -		
16-17	The distribution of land ownership;		-Do -		
18&19	Land reform and its effects on productivity;		-Do -		
20-21	Nutrition and labor productivity.		-Do -		
22-24	Contractual relationships between tenants and landlords.		-Do -		
25	Land acquisition;		-Do -		
26	Informational problems and credit contracts;		-Do -		
27	Microfinance.		-Do -		

28	Class Test		-Do -		
29-30	Inter- linkages between rural factor markets.		-Do -		
UNIT-3	Individuals, Communities and Collective Outcomes		-Do -		
31-34	Individual behavior in social environments,		-Do -		
35-37	Multiple social equilibria		-Do -		
38-40	governance in organizations and in communities		-Do -		
41-43	Individual responses to organizational inefficiency		-Do -		
UNIT-4	<b>Environment and Sustainable Development</b>		-Do -		
44-46	Defining sustainability for renewable resources		-Do -		
47-50	History of environmental change		-Do -		
51,52	Common-pool resources		-Do -		
53-58	Environmental externalities and state regulation of the environment		-Do -		
59-60	Economic activity and climate change.		-Do -		
UNIT-5	<b>Globalization</b>		-Do -		

61-64	Globalization in historical perspective		-Do -		
65-68	Economics and politics of multilateral agreements		-Do -		
69-72	Trade, production patterns and world inequality		-Do -		
73-75	Financial instability in a globalized world.		-Do -		
76-90	Tutorial		-Do -		

*Bishu Bhattacharya.*

**Signature of the Teacher**

*Subrata Barman*

**Signature of the HoD**





## Nalbari College, Nalbari

### Teaching Plan for the Session:

**Name of the Teacher: Dr. Aditi Das**

**Department: Economics**

**Paper Name: MICROECONOMICS**

**Learning Objectives:**

1. To introduce the learner the basic concept of microeconomic theory.
2. to understand different types of markets and its role in price determination.
3. Enable the learner to understand the basic concept of microeconomics and its applicability in real life situation.

**Semester: 1st**

**Paper Code: ECO-HC-1016**

Sl. No of Lecture	Topic/ Subtopic (unit 1 &4)	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1	Why study economics?	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.
2	Scope and methods of economics	Books	Lecture	--do--	-----
3	The economic problem: scarcity and choice.	Books	--do--	--do--	-----
4	What to produce, how to produce and how to distribute output	Books and internet source	--do---	--do---	-----



5	Science of economics	--do---	--do--	--do---	-----
6	The basic competitive model.	Books	--do---	--do--	-----
7	Price , property rights and profits	--do---	--do---	--do--	-----
8	Incentives and information	--do---	--do---	--do--	-----
9	Rationing and opportunity set	--do---	--do--	--do--	-----
10	Economic system	---do---	PPT	--do--	-----
11	Reading and working with graph	---do---	PPT	--do--	-----
12	Perfect competition: definition/ characteristics	----do----	lecture	--do--	-----
13	Behavior of profit maximizing firm	Books	--do--	--do--	-----
14	The production process	--do--	--do--	--do--	-----
15	Short run costs and output decision	--do--	--do--	--do--	-----
16.	Long run costs	--do--	--do--	--do--	-----
17	Cost and output in the long run	--do--	--do--	--do--	-----

Aditi Das

**Signature of the Teacher**

Subrata Barman

**Signature of the HOD**





## Nalbari College, Nalbari

### Teaching Plan for the Session:

**Name of the Teacher: Dr. Aditi Das**

**Department: Economics**

**Paper Name: Introductory Macroeconomics**

**Learning Objectives:**

**Semester: 2nd**

**Paper Code: ECO-HC-2016**

1. To introduce the learner the basic concept macroeconomics dealing with the aggregate economy.
2. To discuss the preliminary concepts associated with the determination and measurement of aggregate macroeconomic variable like savings, Investment, GDP, money, inflation and the balance of payment.

Sl. No of Lecture	Topic/ Subtopic ( unit 2,3 &4)	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1	Money: functions of money	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.
2	Quantity theory of money: fisher's cash transaction approach	Books	Lecture	--do--	-----
3	Cash balance approach: Marshall, Ricardo, Pigou, Keynes	Books and internet sources	Lecture	--do--	-----
4	Determination of money supply	Books	PPT	Participatory learning method	-----
5	Demand for money	--do--	Lecture	--do--	-----
6	Keynesian demand for liquidity preference	--do--	--do--	--do--	-----

7	Credit creation: process by single bank and multiple banks	--do---	--do--	--do--	-----
8	Methods of credit control	--do--	--do--	--do--	-----
9	Monetary policy: importance of monetary policy in developing country	--do--	--do--	--do--	-----
10	Inflation : meaning/types/ causes of inflation	--do--	--do--	--do--	-----
11	Effects of inflation on different sections in the society	--do--	--do--	--do--	-----
12	Social cost of inflation	--do--	--do--	--do--	-----
13	Hyperinflation	--do--	--do--	--do--	-----
14	Classical and Keynesian systems	--do--	--do--	--do--	-----
15	Simple Keynesian model of income determination	--do--	--do--	--do--	-----
16	IS-LM model	--do--	--do--	--do--	-----
17	Fiscal and monetary multipliers	--do--	--do--	--do--	-----

*Aditi Das*

Signature of the Teacher

*Subrata Barman*





## Nalbari College, Nalbari

### Teaching Plan for the Session:

**Name of the Teacher: Dr. Aditi Das**

**Department: Economics**

**Semester: 3rd**

**Paper Name: Intermediate Macroeconomics**

**Paper Code: ECO-HC-3026**

#### Learning Objectives:

1. To introduce the learner formal modeling of macro-economy in terms of analytical tools.
2. To understand the alternative theories of output and employment determination in a closed economy.
3. Enable the learner to understand various theoretical issues related to an open economy.

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1	Concept of aggregate demand/shifting of aggregate demand curve	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.
2	Aggregate supply /shifting of aggregate supply curve	Books	Lecture	--do--	-----
3	Long run aggregate supply curve	Books	--do--	--do--	-----
4	Interaction between aggregate demand and aggregate supply	Books and internet source	--do--	--do--	-----
5	Short run macroeconomic equilibrium	--do--	--do--	--do--	-----
6	Long run macroeconomic equilibrium	Books	--do--	--do--	-----
7	Phillips curve	--do--	--do--	--do--	-----

8	Trade off between Inflation and unemployment	--do---	--do---	--do--	-----
9	Adaptive Expectations	--do---	--do--	--do--	-----
10	Shift in Phillips curve	---do---	PPT	--do--	-----
11	Short run tradeoff between inflation and unemployment	---do---	PPT	--do--	-----
12	Sticky wages	----do----	--do--	--do--	-----
13	The rational expectation approach	---do---	----do----	---do---	-----
14	Short run open economy model	Book & internet sources	---do---	---do--	-----
15	Determination of national income in open economy	----do---	----do---	--do---	-----
16	Export function in an open economy	----do----	----do---	--do---	-----
17	Exchange rate determination	----do----	--do--	----do---	-----
18	Foreign exchange rate and foreign exchange market	----do----	----do---	---do---	-----
19	Determination of foreign exchange market	Books	Lecture	Participatoy learning	Unit test
20	Spot and forward rate	--do---	--do--	--do--	--do---
21	Hedging and speculation	--do---	--do--	--do--	---do--
22	Purchasing power parity theory	---do---	--do--	--do--	--do---
23	Absolute and relative PPT	--do--	--do--	--do--	--do--
24	Monetary approach to BOP	--do---	--do--	--do--	---do--
25	The concept of BOP	----do---	--do--	--do---	--do--
26	Monetary approach to BOP	--do--	--do--	--do--	--do--
27	Asset market approach	--do--	--do--	--do---	--do---
28	Dornbusch's overshooting model	--do--	--do---	--do--	--do--
29	Mundell-fleming model	--do--	---do--	--do--	--do--

30	IS-LM schedule for small economy	--do--	--do---	--do---	---do---
31	Equilibrium in goods market, money markets and balance of payment in a small open economy	--do--	---do---	--do--	--do--
32	Macroeconomic policy in an open economy.	--do--	--do--	--do--	---do--

Aditi Das

**Signature of the Teacher**

Subrata Barman

**Signature of the HOD**





## Nalbari College, Nalbari

### Teaching Plan for the Session:

**Name of the Teacher: Dr. Aditi Das**

**Department: Economics**

**Paper Name: Intermediate Macroeconomics-II**

**Learning Objectives:**

1. To introduce the learner the long run dynamic issues like growth and technical progress
2. To provide the micro –foundation to the various aggregative concept.

**Semester: 4th**

**Paper Code: ECO-HC-4026**

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1	Harrod's Model of growth: assumptions and criticisms	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.
2	Domar's model of growth	Books	Lecture	--do--	-----
3	Similarities and differences in Harrod-Domar Growth models		--do--	Participatory learning	Unit test

4	Solow's model of growth: assumptions/possible pattern/criticisms	Books and available sources	--do--	--do--	--do--
5	Joan Robbins golden age model	--do--	--do--	--do--	--do--
6	Technical progress and economic growth	--do--	--do--	--do--	--do--
7	Endogenous growth	--do---	--do--	--do--	--do--
8	Keynesian consumption function: types of consumption function	--do--	--do--	--do--	--do--
9	Technical attributes of consumption function	--do--	--do--	--do--	--do--
10	Characteristic of consumption function	--do---	--do--	Participatory	--do--
11	Saving function	--do--	--do--	--do--	--do--
12	Propensity to consume and propensity to save	--do--	--do--	--do--	--do--
13	Keynes psychological law of consumption: assumption and implications	--do---	--do--	--do-	--do--
14	Factors affecting consumption function/ limitations	--do--	PPT	--do--	--do--
15	Consumption income hypothesis: assumptions/ criticisms/policy implications	--do--	--do--	--do--	--do--
16	Life cycle hypothesis: assumptions/	--do--	---do--	--do--	--do--



	criticisms				
17	Similarities and difference between permanent income and life cycle hypothesis	--do---	--do--	--do--	--do--
18	Fishers theory of inter-temporal choice	--do---	--do--	--do--	--do--
19	Investment function: types of investment/ Importance	--do--	--do--	--do--	--do--
20	Factors determining the inducement to invest	--do--	Lecture	--do--	--do--
21	Measures to promote investment	--do--	--do--	--do--	--do--
22	Determinants of business fixed investment	--do---	--do--	--do--	--do--
23	Residential investment and inventory investment.	--do---	--do--	--do--	--do--
24	Demand for money: Keynesian liquidity preference approach	--do--	--do--	--do--	--do--
25	Monetary policy objectives and targets	--do--	--do--	--do--	--do--
26	Government budget constraints	--do--	--do--	--do--	--do--
27	Government debt and Ricardian Equivalence	--do---	--do--	--do--	--do--
28	Classical macro economic theory	--do--	--do--	--do--	--do--

29	Keynesian macro economic theory	--do---	Lecture	participatory	--do--
30	The aggregate supply and aggregate demand function	--do---	--do--	--do--	--do--
31	The new classical economics	--do--	--do--	--do--	--do--
32	The New Keynesian Economics	--do--	--do--	--do--	--do--

*Aditi Das*

**Signature of the Teacher**

*Subrata Barman*

**Signature of the HOD**





## Nalbari College, Nalbari

### Teaching Plan for the Session:

**Name of the Teacher: Dr. Aditi Das**

**Department: Economics**

**Semester: 5th**

**Paper Name: Money and Financial Markets**

**Paper Code: ECO-HE-5026**

**Learning Objectives:**

1. The course exposes students to the theory and functioning of the monetary and financial sectors of the economy.
2. To highlight the organization, structure and role of financial markets and institution.
3. To enable the students to understand the banking and financial sector reforms.

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1	Money : Concept of Money	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.
2	Functions of Money	Books	Lecture	--do--	-----

3	Concept of Money supply	Books	--do--	--do--	-----
4	Broad and narrow definition of money supply.	Books and internet source	--do---	--do---	-----
5	Measurement of money supply	--do---	--do--	--do---	-----
6	Money multiplier theory	Books	--do---	--do--	-----
7	RBI's Approach to Money supply	--do---	--do---	--do--	-----
8	Meaning and type of financial institution	--do----	--do---	--do--	-----
9	Nature and role of financial institution	--do---	--do--	--do--	-----
10	Financial market: Money Market	---do---	PPT	--do--	-----
11	Type/characteristic/functions of money market	---do---	PPT	--do--	-----
12	Capital market: type/characteristic/functions	----do----	Lecture	--do--	-----
13	Call money market/treasury bill market	---do---	----do----	---do---	-----
14	Commercial bill market: commercial paper and certificate of deposit	Books and internet sources	PPT	Participatory learning method	Unit test
15	Government securities market	---do---	PPT	-----	-----
16	Primary and secondary market for securities	---do----	Lecture	-----	-----
17	Financial sector reform in India	Internet sources	Lecture	-----	-----

18	Financial derivatives	Books	--do--	-----	-----
19	Meaning/types/features of financial derivatives	---do---	--do--	-----	-----
20	Benefits of financial derivatives	----do---	---do--	-----	-----
21	Determination of interest rates	----do---	---do--	-----	-----
22	Sources of interest rate differential	---do---	Lecture	-----	-----
23	Theories of term structure rate of interest	---do---	----do--	-----	-----
24	Classical theory of interest	---do--	--do--	-----	-----
25	Neo- Classical Loanable theory of interest	----do---	--do--	-----	-----
26	Keynes liquidity preference theory of interest	----do---	--do--	-----	-----
27	Term structure of interest rate	----do---	--do--	-----	-----
28	Meaning and type of banking system	---do---	--do--	-----	-----
29	Functions of commercial bank	----do---	--do--	-----	-----
30	Process of credit creation	----do---	---do--	-----	-----
31	Limitations of credit creation	Books	--do---	-----	-----
32	balance sheet of commercial bank	---do--	--do--		
33	Portfolio management of commercial bank	----do---	--do---		
34	Meaning and objective of portfolio management	----do---	--do--	Participatory learning method	Class test

35	Theories of portfolio management	----do---	--do--	--do---	-----
36	Banking sector reforms	----do---	--do--	--do--	-----
37	Functions of central bank	----do---	----do---	--do--	-----
38	Objectives of monetary policy	---do---	--do--	--do--	-----
39	Indicators and instruments of monetary control	----do---	--do--	--do--	-----
40	Role of monetary policy in developing economy	<b>--do---</b>	<b>--do--</b>	<b>--do--</b>	-----
41	Targets of monetary policy	----do---	<b>---do--</b>	<b>--do--</b>	-----
42	Monetary management in an open economy	<b>--do---</b>	<b>--do--</b>	<b>--do--</b>	-----
43	Current monetary policy in India	<b>---do---</b>	<b>--do--</b>	<b>--do--</b>	-----

*Aditi Das*

**Signature of the Teacher**

*Sukrata Sarman*

**Signature of the HOD**





## Nalbari College, Nalbari

### Teaching Plan for the Session:

**Name of the Teacher: Dr. Aditi Das**

**Department: Economics**

**Semester: 6th**

**Paper Name: Environmental Economic**

**Paper Code: ECO-HE-6016**

#### Learning Objectives:

1. To introduce the learner the basic economic cause of environmental problems
2. To address economic implications of environmental policies.
3. Enable the learner to understand the environmental impact assessment as well as tools for evaluation of environmental projects such as cost benefit analysis.

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1	Basic concept of Environment, Economy an the eco system	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.
2	Defination and scope of environmental economics	Books	Lecture	--do--	-----
3	Why study environmental economics	Books	--do--	--do--	-----
4	Interaction between the environment and the economy	Books and internet source	--do---	--do---	-----
5	Environment economics and ecoligical economics	--do---	--do--	--do---	-----

6	Environment economics and resource economics	Books	--do---	--do--	-----
7	Review of microeconomics and welfare economics: utility function	--do---	--do---	--do--	-----
8	Social choice mechanism	--do---	--do---	--do--	-----
9	The compensation principal and social welfare function	--do---	--do--	--do--	-----
10	The theory of externality: Pareto Optimality or pareto efficiency	---do---	PPT	--do--	-----
11	Externalities: meaning and type of externality	---do---	PPT	--do--	-----
12	Market failure: meaning	Books and available sources	Lecture	Participatory learning method	-----
13	Market failure in presence of externality	Books	Lecture	--do--	-----
14	Market failure and public good	--do--	--do--	--do--	-----
15	Environment as a public good.	--do--	--do--	--do--	-----
16	Property right and the coase theorem.	--do--	--do--	--do--	-----
17	The Design and Implementation of Environmental policy	--do--	--do--	--do--	-----
18	Environmental policy : an overview	--do--	--do--	--do--	-----
19	Non market and market based instrument of environmental policy	--do--	--do--	--do--	-----
20	Command and control approach	--do--	--do--	--do--	-----
21	Economic instrument: Pigovian taxes and effluent fees	--do--	--do--	--do--	-----
22	Tradable permits and mixed instruments	--do--	--do--	--do--	-----
23	Monitoring and Enforcement	--do--	--do--	--do--	-----
24	Penalties and cost of abatement	--do--	--do--	--do--	-----
25	Damages from pollution	--do--	--do--	--do--	-----
26	Incentives to sources to comply with	--do--	--do--	--do--	-----



	environmental regulations				
27	Nature of environmental problem	--do--	--do--	--do--	-----
28	Transboundary pollution	--do--	--do--	--do--	-----
29	Climate change/ global warming	--do--	--do--	--do--	-----
30	Ozone depletion/bio diversity loss	--do--	--do--	--do--	-----
31	Trade and environment: pollution even hypothesis	--do--	--do--	--do--	-----
32	Non market values: Use and non use values and optional value	--do--	--do--	--do--	-----
33	Measurement method: direct method of contingent valuation	--do--	--do--	--do--	-----
34	Indirect method-hedonic pricing methods	--do--	--do--	--do--	-----
35	Value of statistical life	--do--	--do--	--do--	-----
36	Application and limitations of value of statistical life	--do--	--do--	--do--	-----

Additi Das

Signature of the Teacher

Sukanta Barman

Signature of the HOD





## Nalbari College, Nalbari

### Teaching Plan for the Session: 2022

**Name of the Teacher: Rintu Deka**

**Department: Economics**

**Semester: 1<sup>st</sup>**

**Paper Name: Microeconomics**

**Paper Code: ECO-HC-1016**

**Learning Objectives:**

1. To introduce the learner the basic concept of economic problems.
2. Different types of markets and its role and also to introduce various measures of calculating national income.
3. Enable the learner to understand the basic concept of equilibrium and also basic concept of public finance operation.

Sl. No of Lecture	Topic/ Subtopic (unit 4)	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1	Markets and Competition	Books and available sources	Board and Chalks	Participatory Learning Method	Unit test for the entire unit.
2,3	Demand, Determination of Individual demand/Supply	--do--	PPT	--do--	
3,4,5	Demand and Supply Schedule	--do--	PPT	--do--	
6,7	Individual Demand and Market Demand Curve	--do--	Board and Chalks	--do--	
8,9	Shift in Demand and Supply Curve	--do--	Board and Chalks	--do--	
10,11	Remedial Class	--do--		--do--	

12	Class Test	--do---		--do---	
13,14	Elasticity and its application	--do---	Board and Chalks	--do---	
15,16	Taxation and Cost of Taxation	--do---	PPT	--do---	
17,18	Consumer Surplus	--do---	Board and Chalks	--do---	
19,20	Producer surplus	--do---	Board and Chalks	--do---	
21,22	Efficiency of the Market	--do---	Board and Chalks	--do---	
23,24	Demand for a factor input in a competitive factor market,	Books and available sources	Board and Chalks	Participatory Learning Method	Unit test for the entire unit.
25,26	Supply of inputs to a firm	Books	Board and Chalks and PPT	--do--	-----
27,28,29	Market Supply of Inputs	Books	--do--	--do--	-----
30,31	Equilibrium in a Competitive factor market	--do---	--do--	--do---	-----
32,33	Factor markets with Monopsony Power	--do----	--do---	--do--	-----
34,35	Efficiency of Perfect Competition	--do---	--do--	--do--	-----
36,37	Labour Market and Public Policy	---do---		--do--	-----
38,39	Tutorial 1				
40	Sessional exam				

*Rintu Sen*

**Signature of the Teacher**



*Subrata Barman*

**Signature of HOD**



## Nalbari College, Nalbari

### Teaching Plan for the Session: 2023

**Name of the Teacher: Rintu Deka**

**Department: Economics**

**Semester: 2nd**

**Paper Name: Introductory Macroeconomics**

**Paper Code: ECO-HC-2016**

**Learning Objectives:**

1. To introduce the learner the basic concept of economic problems.
2. Different types of markets and its role and also to introduce various measures of calculating national income.
3. Enable the learner to understand the basic concept of equilibrium and also basic concept of money, functions of money, monetary policy, public finance operation.

Sl. No of Lecture	Topic/ Subtopic (unit 4)	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1	Introduction of Macroeconomics, Scope and subject matter of Macroeconomics, Importance of studying Macroeconomics, Origin of Macroeconomics, Great Depression (America and Europe) - 1932	Books and available sources	Board and Chalks	Participatory Learning Method	Unit test for the entire unit.
2,3	Concept of National Income, Measurement of National Income	Books	Board and Chalks and	--do--	-----

			PPT		
4,5,6	National Income and its Related aggregates (GNP, GDP, NNP, NDP)	Books and internet source	--do---	--do---	-----
7,8	Circular Flow of Income in case of Two Sector and Three sector Economy, Aggregate Expenditure and Aggregate Income	--do---	--do--	--do---	-----
9,10	Per Capita Income, Personal Income, Disposable Personal Income, NDP at Factor Cost as Domestic Income	Books	--do---	--do--	-----
11,12,13	Concept of Unemployment, Types of Unemployment, Measurement of Unemployment, Causes of Unemployment in India and its remedies	--do---	--do---	--do--	-----
14,15,16	Concept of Balance of Payment, Balance of Payment and Trade, Types of Balance of Payment, Status of balance of Payment in India, Causes of Deficit Balance of payment in India.	--do---	--do--	--do--	-----
	Balance of Payments Account, Current Account and Capital Account and other accounts, Concept of Exchange Rate, Purchasing Power Parity.	---do---		--do--	-----
17,18,19	Concept of money, Barter System and evolution of money	---do---		--do--	
20,21	Quantity Theory of Money	---do---		--do--	
22,23,24	Determination of Money Supply	---do---		--do--	
25,26	Credit Creation	---do---		--do--	
27,28,29	Tools of Monetary Policy	---do---		--do--	
30,31,32,33	Remedial Class				
34	Class Test				

*Rintu Sekh*

**Signature of the Teacher**



*Subrata Barman*

**Signature of HOD**



## Nalbari College, Nalbari

### Teaching Plan for the Session: 2022

**Name of the Teacher: Rintu Deka**

**Department: Economics**

**Paper Name: Fundamental of Macroeconomics- I**

**Learning Objectives:**

**Semester: 3rd**

**Paper Code: ECO-RC/HG-3016**

1. To introduce the learner the basic concept of macro-economic problems.
2. It enables them to know the National Income Accounting, Expenditures and impact of Investment Multiplier.

.Sl. No of Lecture	Topic/ Subtopic (unit 4)	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1	Concept of Macroeconomics, Origine of Macroeconomics	Books and available sources	Board and Chalks	Participatory Learning Method	Unit test for the entire unit.
2	Concept of GDP, GNP,NDP,NNP	Books	Board and Chalks and PPT	--do--	-----
3	Production Method of calculating National Income	Books	--do--	--do--	-----
4	Value Added Method of calculating National Income	Books and internet source	--do---	--do---	-----
5	Income Method of calculating National Income	--do---	--do--	--do---	-----

6	Expenditure Method of calculating National Income	Books	--do---	--do--	-----
7	Nominal income and Real Income	--do---	--do---	--do--	-----
8	Tutorial 1	--do---	--do---	--do--	-----
9	Tutorial 2	--do---	--do--	--do--	-----
10	Presentation	---do---		--do--	-----
11	Class Test				
12	Actual and Potential GDP	Books	Board and Chalks and PPT	--do--	
13	Consumption Function	Books	--do--	--do--	
14	Investment function	Books and internet source	--do---	--do---	
15	Equilibrium GDP	Books	--do--	--do--	
16	Concept of MPS,APS,MPC,APC	Books and internet source	--do---	--do---	
17	Concept of Multiplier	Books	--do--	--do--	
18	Tutorial 3	Books and internet source	--do---	--do---	
19	Tutorial 4				
20	Sessional Exam				

*Rintu Sen*

**Signature of the Teacher**



*Subrata Barman*

**Signature of HOD**



## Nalbari College, Nalbari

### Teaching Plan for the Session: 2023

**Name of the Teacher: Rintu Deka**

**Department: Economics**

**Semester: 4th Semester**

**Paper Name: Intermediate Microeconomics – II**

**Paper Code: ECO- HC - 4016**

**Learning Objectives:**

1. Conceptual clarity to the student coupled with the use of mathematical tools and reasoning.
2. It helps to know the microeconomic firm behavior.

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1	Exchange Economy	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.
2	Exchange Economy	Books	Lecture	--do--	-----
3	Consumption Allocation and Pareto Optimality	Books	--do--	--do--	-----
4	Consumption Allocation and Pareto Optimality	Books and internet source	--do--	--do--	-----
5	Edgeworth Box and Contract Curve	--do--	--do--	--do--	-----
6	Edgeworth Box and Contract Curve	Books	--do--	--do--	-----



7	Equilibrium and Efficiency under Pure Exchange	--do---	--do---	--do--	-----
8	Equilibrium and Efficiency under Pure Exchange	--do---	--do---	--do--	-----
9	Tutorial 3	--do---	--do--	--do--	-----
10	Tutorial 4	---do---	PPT	--do--	-----
11	Presentation	---do---	PPT	--do--	-----
12	Class Test	----do----		--do--	-----
13	Pareto Efficiency with Production	Books and available sources	PPT	Participatory Learning Method	
14	Pareto Efficiency with Production	Books	Lecture	--do--	
15	Concept of PPF	Books	--do--	--do--	
16	Social Indifference Curve and Resource Allocation	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.
17	Social Indifference Curve and Resource Allocation	Books	Lecture	--do--	-----
18	Tutorial 4	Books	--do--	--do--	-----
19	Tutorial 6	Books and internet source	--do---	--do---	-----
20	Presentation	--do---	--do--	--do---	-----
21	Class Test	Books	--do---	--do--	-----
22	Perfect Competition, Features	--do---	--do---	--do--	-----
23	Price Output determination under Perfect competition	--do---	--do---	--do--	-----

24	Price Output determination under Perfect competition	--do---	--do--	--do--	-----
25	Pareto Efficiency	---do---	PPT	--do--	-----
26	Pareto Efficiency	---do---	PPT	--do--	-----
27	Concept of Market Failure	----do----		--do--	-----
28	Causes of Market Failure	Books and available sources	PPT	Participatory Learning Method	-----
29	Property Right and its Causes	Books	Lecture	--do--	-----
30	Property Rights	Books	--do--	--do--	-----
31	Coase Theorem	Books	--do--	--do--	-----
32	Tutorial 7	Books	--do--	--do--	-----
33	Tutorial 8	Books	--do--	--do--	-----
34	Presentation	Books	--do--	--do--	-----
35	Class Test	Books	--do--	--do--	-----
36	Asymmetry Information	Books	--do--	--do--	-----
37	Adverse Selection	Books	--do--	--do--	-----
38	Moral Hazard	Books	--do--	--do--	-----
39	Signaling and Screening	Books	--do--	--do--	-----

40	Tutorial 9	Books	--do--	--do--	-----
41	Tutorial 10	Books	--do--	--do--	-----
42	Tutorial 11	Books	--do--	--do--	-----
43	Tutorial 12	Books	--do--	--do--	-----
44	Sessional Test	Books	--do--	--do--	-----

*Rintu Sekh*

**Signature of the Teacher**

*Subrata Barman*

**Signature of HOD**





## Nalbari College, Nalbari

### Teaching Plan for the Session: 2022

**Name of the Teacher: Rintu Deka**

**Department: Economics**

**Semester: 5th**

**Paper Name: Indian Economy - I**

**Paper Code: ECO-HC-5016**

**Learning Objectives:**

1. The course helps them to know present, past of the basic indicators (GDP, GNP, Saving, Investment) of the Indian economy.
2. Along with the demographic issues it also helps them to know about the problems of health and education of India and causes of Multidimensional poverty.
3. It also helps them to study the causes of poverty, Unemployment and Inequality in India and the policies to solve those problems.
4. The students could compare the economic status of India with the neighboring countries like China, Pakistan, Bangladesh, Sri Lanka, Nepal and Vietnam.

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1	Basic Characteristics of an Underdeveloped Economy	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.
2	Basic Characteristics of an Underdeveloped Economy	Books	Lecture	--do--	-----

3	Major features of Indian Economy during British Period	Books	--do--	--do--	-----
4	Major features of Indian Economy during British Period	Books and internet source	--do---	--do---	-----
5	Features of Indian Economy after Independence	--do---	--do--	--do---	-----
6	Features of Indian Economy after Independence	Books	--do---	--do--	-----
7	Obstacles or Constraints of Economic Development	--do---	--do---	--do--	-----
8	Causes of Slow growth of National Income	--do----	--do---	--do--	-----
9	Causes of Slow growth of National Income	--do---	--do--	--do--	-----
10	Tutorial 1				
11	Class Test				
12	Economic Planning, Objectives of Economic Planning,	---do---	PPT	--do--	-----
13	Objectives of Economic Planning	---do---	PPT	--do--	-----
14	Growth and Development under Different Policy regime.	----do----		--do--	-----
15	Growth and Development under Different Policy regime.	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.
16	Growth and Development under Different Policy regime.	Books	Lecture	--do--	-----
17	Challenges of Growth and Development under Different Policy regime	Books	--do--	--do--	-----
18	Policy Framework for growth under different policy regime.	Books and internet source	--do---	--do---	-----

19	<b>Tutorial 2</b>	--do---	--do--	--do---	-----
20	<b>Tutorial 3</b>	Books	--do---	--do--	-----
21	Presentation	--do---	--do---	--do--	-----
22	Class Test	--do---	--do---	--do--	-----
23	Sustainable Development, Meaning	--do---	--do--	--do--	-----
24	Causes of Climate Change				
25	Policy Framework for Climate Changes in world and India				
26	Climate Changes of different regions in India	---do---	PPT	--do--	-----
27	Structural Changes, Meaning	---do---	PPT	--do--	-----
28	Causes of Structural Changes	----do----		--do--	-----
29	Capital Formation – Meaning and types	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.
30	Trends in Capital Formation in India	Books	Lecture	--do--	-----
31	Trends in Capital Formation in India	Books	--do--	--do--	-----
32	Trends in Capital Formation in India	Books and internet source	--do---	--do---	-----
33	Causes of poor growth of Capital Formation in India	--do---	--do--	--do---	-----
34	Causes of poor growth of Capital Formation in India	Books	--do---	--do--	-----
35	Causes of poor growth of Capital Formation in India	--do---	--do---	--do--	-----

36	Remedial measures to raise the Capital Formation	--do----	--do---	--do--	-----
37	Remedial measures to raise the Capital Formation	--do---	--do--	--do--	-----
38	Meaning of Human Capital Formation	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.
39	Causes of Poor Human Capital Formation in India	Books	Lecture	--do--	-----
40	Causes of Poor Human Capital Formation in India	Books	--do--	--do--	-----
41	Remedial measures to step up the Human Capital Formation	Books and internet source	--do---	--do---	-----
42	Remedial measures to step up the Human Capital Formation	--do---	--do--	--do---	-----
43	<b>Tutorial 4</b>	Books	--do---	--do--	-----
44	<b>Tutorial 5</b>	--do---	--do---	--do--	-----
45	Presentation	--do----	--do---	--do--	-----
46	Class Test	--do---	--do--	--do--	-----
47	Demographic Trends and Issues in India Definition of Birth Rate, Death Rate, Density of Population	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.

48	Causes of High Birth Rate in India	Books	Lecture	--do--	-----
49	Causes of Low Death Rate in India	Books	--do--	--do--	-----
50	Demographic Dividends in India	Books and internet source	--do---	--do---	-----
51	Causes of High Growth of Population in India	--do---	--do--	--do---	-----
52	Causes of High Growth of Population in India	Books	--do---	--do--	-----
53	Remedial Measures to check the population growth in India	--do---	--do---	--do--	-----
54	Remedial Measures to check the population growth in India	--do----	--do---	--do--	-----
55					
56	Population as a source of Economic Development	--do---	--do--	--do--	-----
57	Population as a source of Economic Development	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.
58	Population as a hinder able factor of Economic Development	Books	Lecture	--do--	-----
59	Population as a hinder able factor of Economic Development	Books	--do--	--do--	-----
60	Status of Higher Education in India	Books and internet source	--do---	--do---	-----
61	Status of Primary Education in India	--do---	--do--	--do---	-----



62	Challenges of Higher Education in India	Books	--do---	--do--	-----
63	Challenges of Higher Education in India	--do---	--do---	--do--	-----
64	Status of Health Condition in India	--do---	--do---	--do--	-----
65	Challenges of sound health condition in India	--do---	--do--	--do--	-----
66	Policy for sound health condition by the government of india	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.
67	Causes of Multi-dimensional poverty in India	Books	Lecture	--do--	-----
68	Causes of Multi-dimensional poverty in India	Books	--do--	--do--	-----
69	Remedial measures of Multidimensional poverty in India	Books and internet source	--do---	--do---	-----
70	Remedial measures of Multidimensional poverty in India	--do---	--do--	--do---	-----
71	<b>Tutorial 6</b>	Books	--do---	--do--	-----
72	Presentation	--do---	--do---	--do--	-----
73	Poverty, Definition, Types of Poverty	--do---	--do---	--do--	-----
74	Poverty Line, Measurement of Poverty Line in India	--do---	--do--	--do--	-----

75	Trends in Poverty in India	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.
76	Causes of poverty in India	Books	Lecture	--do--	-----
77	Causes of poverty in India	Books	--do--	--do--	-----
78	Policies to reduce poverty rate by the government	Books and internet source	--do--	--do--	-----
79	Policies to reduce poverty rate by the government	--do--	--do--	--do--	-----
80	Definition of Inequality, Types of Inequality	Books	--do--	--do--	-----
81	Causes of Interpersonal inequalities in India	--do--	--do--	--do--	-----
82	Causes of Interregional Inequalities in India	--do--	--do--	--do--	-----
83	Causes of Interregional Inequalities in India	--do--	--do--	--do--	-----
84	Policies to solve the Inequalities in India	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.
85	Unemployment – Definition, measurement of Unemployment.	Books	Lecture	--do--	-----
86	Types of Unemployment	Books	--do--	--do--	-----
87	Causes of Unemployment, Policies to solve Unemployment problem in India	Books and internet source	--do--	--do--	-----

88	A Comparison between India and Other Developing Economies. (GDP, Per Capita, HDI, Rate of Inflation)  (China, Pakistan, Bangladesh, SriLanka, Nepal and Vietnam)	--do---	--do--	--do---	-----
89	A Comparison between India and Other Developing Economies.	Books	--do---	--do--	-----
90	Presentation	--do---	--do---	--do--	-----
91	Previous Years Question Paper Discussion	--do---	--do---	--do--	-----

*Rintu Sekh*

**Signature of the Teacher**

*Subrata Barman*

**Signature of HOD**





## Nalbari College, Nalbari

### Teaching Plan for the Session: 2023

**Name of the Teacher: Rintu Deka**

**Department: Economics**

**Semester: 6th**

**Paper Name: Indian Economy - II**

**Paper Code: ECO-HC-6016**

**Learning Objectives:**

1. It helps them to know about the Macro Economic Policies such as Fiscal policy, Financial and Monetary policies, labour regulation etc. in India
2. They will know the basic status of agriculture, trend in growth of agriculture, agricultural technology, capital formation, trade and pricing policy
3. They will also come to know the policies and performance of industry in india along with the status and growth of service sector in India.

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1	Fiscal Policy	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.
2	Fiscal Policy	Books	Lecture	--do--	-----
3	Fiscal Policy and its instruments	Books	--do--	--do--	-----

4	Fiscal Policy and its instruments	Books and internet source	--do---	--do---	-----
5	Trade Policy in India	--do---	--do--	--do---	-----
6		Books	--do---	--do--	-----
7	Trade Policy in India	--do---	--do---	--do--	-----
8	Trade Policy in India	--do----	--do---	--do--	-----
9	Trade Policy in India	--do---	--do--	--do--	-----
10	Investment Policy in India				
11	Investment Policy in India				
12	Investment Policy in India	---do---	PPT	--do--	-----
13	Financial Policy in India	---do---	PPT	--do--	-----
14	Financial Policy in India	----do----		--do--	-----
15	Financial Policy in India	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.
16	Monetary Policy in India	Books	Lecture	--do--	-----
17	Monetary Policy and its instruments in India	Books	--do--	--do--	-----
18	Monetary Policy in India	Books and internet source	--do---	--do---	-----
19	<b>Tutorial 1</b>		--do--	--do---	-----
20	<b>Tutorial 2</b>		--do---	--do--	-----
21	Presentation	--do---	--do---	--do--	-----

22	Class Test				-----
23	Role of Agriculture in Indian Economy	--do---	--do--	--do--	-----
24	Role of Agriculture in Indian Economy				
25	Features of Indian Agriculture				
26	Features of Indian Agriculture	---do---	PPT	--do--	-----
27	Agricultural Production and Productivity	---do---	PPT	--do--	-----
28	Growth of Agricultural Production and Productivity	----do----		--do--	-----
29	Growth of Agricultural Production and Productivity	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.
30	Low agricultural Productivity in India	Books	Lecture	--do--	-----
31	Low agricultural Productivity in India	Books	--do--	--do--	-----
32	Low agricultural Productivity in India	Books and internet source	--do---	--do---	-----
33	Low agricultural Productivity in India	--do---	--do--	--do---	-----
34	Cropping Pattern in India	Books	--do---	--do--	-----
35	Land Reform in India	--do---	--do---	--do--	-----
36	Land Reform in India	--do----	--do---	--do--	-----

37	Objectives of Land Reform in India	--do---	--do--	--do--	-----
38	Objectives of Land Reform in India	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.
39	Achievements and Failure of Land Reform in India	Books	Lecture	--do--	-----
40	Achievements and Failure of Land Reform in India	Books	--do--	--do--	-----
41	Green Revolution in India	Books and internet source	--do---	--do---	-----
42	Achievements and failure of Green Revolution	--do---	--do--	--do---	-----
43	Meaning of Procurement Price, Minimum Support Price, Status of MSP in India	Books	--do---	--do--	-----
44	<b>Tutorial 3</b>	--do---	--do---	--do--	-----
45	<b>Tutorial 4</b>	--do---	--do---	--do--	-----
46	Presentation	--do---	--do--	--do--	-----
47	Class Test	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.
48	Industrial development since Independence	Books	Lecture	--do--	-----
49	Role of Industries in Economic Development	Books	--do--	--do--	-----

50	Trends in Industrial Production in India	Books and internet source	--do---	--do---	-----
51	Rate of Industrial Growth in India	--do---	--do--	--do---	-----
52	Industrial Policy in India 1948	Books	--do---	--do--	-----
53	Industrial Policy in India 1956	--do---	--do---	--do--	-----
54	Industrial Policy in India 1991	--do----	--do---	--do--	-----
55					
56	Presentation	--do---	--do--	--do--	-----
57	Causes of Poor Growth in Industrial Sector in India	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.
58	Causes of Poor Growth in Industrial Sector in India	Books	Lecture	--do--	-----
59	Role of Small Scall Industry in economic development	Books	--do--	--do--	-----
60	Challenges of SSI in India	Books and internet source	--do---	--do---	-----
61	Status of Public Sector Enterprises in India	--do---	--do--	--do---	-----
62	Relative Role of Public Sector and Private Sector in Indian Economy	Books	--do---	--do--	-----
63	Role of PSUs	--do---	--do---	--do--	-----



64	Role of Foreign Investment	--do----	--do---	--do--	-----
65	Challenges of Foreign Investment in India	--do---	--do--	--do--	-----
66	<b>Tutorial 5</b>	Books and available sources	PPT	Participatory Learning Method	Unit test for the entire unit.
67	Presentation	Books	Lecture	--do--	-----
68	Class Test	Books	--do--	--do--	-----
69	Status and Trends in Service Sector in India	Books and internet source	--do---	--do---	-----
70	Causes of Rising growth of Service Sector in India	--do---	--do--	--do---	-----
71	Sessional	Books	--do---	--do--	-----

*Rintu Deka*

Signature of the Teacher



*Subrata Barman*

Signature of HOD