

TEACHING PLAN

BA 4th SEMESTER 2023

NAME OF THE PAPER: PAPER IV – MATHEMATICS FOR ECONOMISTS

NAME OF THE TEACHER: SMT. BANDA KERLIN LYNGDOH, ASST. PROFESSOR

Learning Outcome: *The students will acquire knowledge gained on basic mathematical concepts, thereby enabling students to become competent to pursue higher studies in Economics, as well as qualifying for Competitive exams. The mathematical techniques in applied economics would enable students to carry out empirical study of economic theories in other branches of economics, and in higher studies.*

	Duration		Topic(s) covered	Objective of the Topic	Content	Methodology	Teaching Aids
	Week (s)	Lecture No					
Unit I	1 – 3	3 classes	Set Theory: Concepts	Set theory has a wide range of applications in other disciplines of mathematics and are necessary for the construction of increasingly complicated mathematical structures.	(i) Introduction to Set Theory (ii) Types of Sets (iii) Operations on Sets – Union, Intersection (iv) Operations on Sets – Difference, Complement (v) Numerical Problems on Operation of Sets	Inductive method of teaching, classwork, Homework and Group Discussion.	White board & Marker, Google Classroom, reading materials, Reference texts, Solved Mathematical Problems and WhatsApp.
	4 – 6	3 classes	Laws of Set Theory	Set theory has a wide range of applications in other disciplines of mathematics and are necessary for the construction of increasingly complicated mathematical structures.	(i) Associative Law (ii) Distributive Law (iii) Commutative Law (iv) Idempotent Law (v) De Morgan’s Law (vi) Numerical Problems on Laws of Set Theory	Inductive method of teaching, classwork and Homework and Group Discussion.	White board & Marker, Google Classroom, reading materials, Reference texts, Solved Mathematical Problems and WhatsApp.

	7 – 10	4 classes	Variables, Relations, and Functions; Equations, Identities, Equilibrium condition, Systems of Simultaneous Linear Equations; Homogenous and Homothetic functions, The Straight line and its slope.	The mathematical building blocks of variables, relations, functions are used in the study of global economies. Every day, whether consciously or unconsciously, we use function to simplify various actions in our lives. Functions are used comprehensively in Remuneration of wages, Taxes and tax brackets, Market value, Mortgage Payments, etc. Algebraic identities and Equations are a vital concept of mathematics because of their real-life implications. The uses of algebraic identities are primarily done in various other mathematics concepts. The Straight line and its slope are utilized in representing graphically for various economic models as well as for analysis of data.	(i) Introduction to Variables (ii) Functions – types; Relation; Range and Domain of a function (iii) Equations and Identities (iv) System of simultaneous linear equations; Methods of solving – substitution (v) Homogenous and Homothetic functions (vi) Straight line and its slope, methods of obtaining the straight line	Inductive method of teaching, classwork and Homework and Group Discussion.	White board & Marker, Google Classroom, reading materials, Reference texts, Solved Mathematical Problems and WhatsApp.
Unit II	1 – 6	12 classes	Types of Matrices, Rules of Addition and Multiplication	Matrices have a wide range of applicability, such as to study the trends of a business, shares, etc. and to create business models etc.	(i) Introduction on Matrices and Concepts. (ii) Types of Matrices. (iii) Scalar & Vector Multiplication. (iv) Commutative, Associative & Distributive Law of Matrix Addition & Subtraction. (v) Associative Law of Matrix Multiplication & Numerical problems.	Inductive method of teaching, classwork and Homework and Group Discussion.	White board & Marker, Google Classroom, reading materials, Reference texts, Solved Mathematical Problems and WhatsApp.
	7 – 13	17 classes	Determinants: Definition and properties; Solution of Linear Equations	Matrices have a wide range of applicability, such as to study the trends of a business, shares, etc. and to create business models etc.	(i) System of Linear Simultaneous equations. (ii) Classwork exercises on Numerical problems and Homework. (iii) Identity Matrix & introduction on Determinants. (iv) Properties of Determinants. (v) Co-factor Matrix for 2X2 Matrix & Numerical problems.	Inductive method of teaching, classwork and Homework and Group Discussion.	White board & Marker, Google Classroom, reading materials, Reference texts, Solved Mathematical Problems and WhatsApp.

					(vi) Co-factor Matrix for 3X3 Matrix & Numerical problems. (vii) Adjoint matrix 2X2 & numerical problems. (viii) Adjoint matrix 3X3 & numerical problems.		
14 – 16	9 classes	Matrix Inversion Method and Cramer's Rule; Leontief Static Open Model.	Matrices have a wide range of applicability, such as to study the trends of a business, shares, etc. and to create business models etc.	(i) Matrix Inversion and numerical problems. (ii) Solving Linear Equations by using Matrix Inversion method. (iii) Cramer's Rule & numerical problems. (iv) Leontief Static Open model.	Inductive method of teaching, classwork and Homework and Group Discussion.	White board & Marker, Google Classroom, reading materials, Reference texts, Solved Mathematical Problems and WhatsApp.	
TOTAL NUMBER OF LECTURES FOR UNIT I & II = 51 LECTURES TOTAL NUMBER OF WEEKS FROM FEBRUARY – MAY 2023 = 16 WEEKS							
<i>Semester ended with Even Semester examination held on 25th May, 2023 – 23rd June, 2023</i>							

Dr. Pyallie D. Sangma
Head
 Dept. of Economics
 Williamnagar Govt. College

TEACHING PLAN**BA 6th SEMESTER 2023****NAME OF THE PAPER: PAPER VII – STATISTICS****NAME OF THE TEACHER: SMT. BANDAKERLIN LYGDOH, ASST. PROFESSOR**

Learning Outcome: *The objective of the Paper is to enable students to understand the basic concepts of Statistics and their uses in economics. The statistical concepts and techniques will enable students to understand how data can be explained and used in applied economics and in explaining economic phenomenon.*

UNIT PLAN	Duration		Topics covered	Objective of the Topic	Content	Methodology	Teaching Aids
	Week (s)	Lecture No					
Unit III	1 – 2	6 classes	Time series analysis: Concept and Components.	Time Series Analysis enables students of Economics to make use of its application for sales forecasting, inventory analysis, stock market analysis, price estimation.	(i) Concept and Components of time Series. (ii) Types of Time Series (iii) Significance of Time Series	Inductive method of teaching, classwork and Homework and Group Discussion.	White board & Marker, Google Classroom, Reference texts, reading materials, Solved Statistical Problems and WhatsApp.
	3 – 9	21 classes	Determination of Regular trend - Moving Average and Curve Fitting.	Time Series Analysis enables students of Economics to make use of its application for sales forecasting, inventory analysis, stock market analysis, price	(i) Regular trend (ii) 3-year Moving Average (iii) 5-year Moving Average (iv) 7-year Moving Average (v) 2-year Moving Average (vi) 4-year Moving Average (vii) 6-year Moving Average	Inductive method of teaching, classwork and Homework and Group Discussion.	White board & Marker, Google Classroom, Reference texts, reading materials, Solved Statistical Problems and WhatsApp.
	10 – 13	12 classes	Determining of regular trend – cyclical fluctuations, seasonal and quarterly trend.	Time Series Analysis enables students of Economics to make use of its application for sales forecasting, inventory analysis, stock market analysis, price	(i) cyclical fluctuations (ii) seasonal trend (iii) quarterly trend	Inductive method of teaching, classwork and Homework and Group Discussion.	White board & Marker, Google Classroom, Reference texts, reading materials, Solved Statistical Problems and WhatsApp.

	14 – 16	9 classes	Revision and solving Numerical Problems on Time Series Analysis as per previous question papers.	Revision enables the students to have a thorough preparation for the end-semester exam and to understand the question pattern of the Unit.	Numerical problems according to year-wise question paper of PAPER VII.	Inductive method of teaching, classwork and Homework and Group Discussion.	White board & Marker, Google Classroom, Reference texts, Reading materials, Solved Statistical Problems and WhatsApp.
TOTAL NUMBER OF LECTURES FOR UNIT III = 48 LECTURES TOTAL NUMBER OF WEEKS FROM FEBRUARY – MAY 2023 = 16 WEEKS							
<i>Semester ended with Even Semester examination held on 25th May, 2023 – 23rd June, 2023</i>							

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TEACHING PLAN**BA 6th SEMESTER 2023****NAME OF THE PAPER: PAPER VIII – PUBLIC ECONOMICS****NAME OF THE TEACHER: SMT. BANDAKERLIN LYNGDOH, ASST. PROFESSOR****Learning Outcome:** *To impart knowledge on government decision, public policy and fiscal policy and their implications in the economy.*

UNIT PLAN	Duration		Topics covered	Objective of the Topic	Content	Methodology	Teaching Aids
	Week (s)	Lecture No					
Unit IV	1 – 3	6 classes	Objectives of fiscal policy; interdependence of fiscal and monetary policies	Fiscal policy enables students to understand the role of governments in maintaining a healthy economy.	(i) Concept of Fiscal Policy (ii) Objectives of fiscal policy (iii) Fiscal Policy Vs Monetary Policy	Lecture Method and Group Discussion.	White board & Marker, Google Classroom, reading materials, Reference texts, and WhatsApp.
	4 - 8	10 classes	budgetary deficit and its implications; Balanced Budget Multiplier	Fiscal policy enables students to understand the role of governments in maintaining a healthy economy.	(i) Concept of Budgetary Deficit (ii) Budgetary deficit and its implications (iii) Balanced Budget Multiplier	Lecture Method and Group Discussion and Inductive Method for Topic on Balanced Budget Multiplier.	White board & Marker, Google Classroom, reading materials, Reference texts, and WhatsApp.
	9 – 12	8 classes	Fiscal federalism in India; Inter-governmental Transfer; Finance Commission (latest); Devolution of resources and grants.	Fiscal policy enables students to understand the role of governments in maintaining a healthy economy.	(i) Fiscal federalism in India (ii) Inter-governmental Transfer (iii) 15 th Finance Commission (iv) Devolution of resources and grants	Lecture Method and Group Discussion on current affairs with regards to the role of governments and finance.	White board & Marker, Google Classroom, reading materials, Reference texts, and WhatsApp.

	13 - 16	8 classes	Revision on the Unit and discussion of previous question papers.	Revision enables the students to have a thorough preparation for the end-semester exam and to understand the question pattern of the Unit.	Numerical problems according to year-wise question paper of PAPER VIII.	Lecture Method and Group Discussion.	White board & Marker, Google Classroom, reading materials, Reference texts, and WhatsApp.
TOTAL NUMBER OF LECTURES FOR UNIT IV = 32 LECTURES TOTAL NUMBER OF WEEKS FROM FEBRUARY – MAY 2023 = 16 WEEKS							
<i>Semester ended with Even Semester examination held on 25th May, 2023 – 23rd June, 2023</i>							

Dr. Pyallie D. Sangma
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TEACHING PLAN

BA 2ND SEMESTER 2023

PAPER – II

NAME OF THE PAPER: DEVELOPMENT AND ENVIRONMENTAL ECONOMICS

NAME OF THE TEACHER: SHRI ARTIS LINCTON SOHSHANG, ASST. PROFESSOR

UNIT PLAN	No of Lecture	Topics covered	Specific Objective	Content	Methodology	Teaching Aids
Unit – IV	3 Classes	1. Environment and Ecology;	a) To enable the students to define the concept of environment and ecology. b) To enable the students to differentiate between the environment and ecology.	i) Concept of Environment and Ecology; ii) Interlinkages between Environment and Ecology	Lecture Method, Group Discussion, Home Assignment, Internal Test	Whiteboard, Marker, Duster, Projector, PPT Presentation
	5 Classes	1. Population, Poverty and Environment;	a) To develop awareness about environmental issues	i) Concept of Population and Poverty; ii) Relationship between Population Growth and Poverty iii) Population, Poverty and Environmental Linkages	Lecture Method, Group Discussion, Home Assignment, Internal Test.	Whiteboard, Marker, Duster, Projector, PPT Presentation
	6 Classes	1. Environment as a Necessity and Luxury; 2. Development & Environment Trade Off,	a) To develop awareness about environmental issues b) To enable the students to justify and appraise on various environmental issues.	i) Environment as a Necessity for life-supporting ii) Environment as a Luxuries iii) Economic Development iv) Environmental Protection v) Trade-off between Development and Environment	Lecture Method, Group Discussion, Home Assignment, Internal Test.	Whiteboard, Marker, Duster, Projector, PPT Presentation
	6 Classes	1. Sustainable Development and Its Indicators; 2. Environmental Use and Environmental Disruption as an Allocation Problem.	a) To enable the students to define the sustainable development. b) To enable the students to differentiate the types of sustainable indicators.	i) Concept of Sustainable Development ii) Indicators of Sustainable Development; iii) Types of Indicators of Sustainable Development iv) Environmental Use and Environmental Disruption as an Allocation Problem.	Lecture Method, Group Discussion, Home Assignment, Internal Test	Whiteboard, Marker, Duster, Projector, PPT Presentation,

Semester ended with Even Semester examination held on 25th May, 2023 – 23rd June, 2023

TEACHING PLAN
BA 4th SEMESTER 2023
PAPER – IV

NAME OF THE PAPER: MATHEMATICS FOR ECONOMISTS

NAME OF THE TEACHER: SHRI ARTIS LINCTON SOHSHANG, ASST. PROFESSOR

UNIT PLAN	No of Lecture	Topics covered	Specific Objective	Content	Methodology	Teaching Aids
Unit – IV	6 Classes	1. Maxima and Minima (one variable);	a) To enable the students to acquire knowledge and understanding of the terms, symbols, concepts, principles, process, proofs.	i) Concept of Maxima and Minima: ii) Graphical Approach of Maxima and Minima iii) Conditions for Maxima and Minima iv) Point of Inflection	Inductive method of teaching, classwork and Homework and Group Discussion.	Whiteboard, Marker, Duster, Projector, PPT Presentation
	10 Classes	1. Elasticity; 2. Equilibrium of a firm and consumer;	a) To enable the students to apply mathematical knowledge and skills to solve real mathematical problems by developing abilities to analyse, to see interrelationship involved, to think and reason.	<i>Economic Application of Unconstrained Maxima and Minima</i> i) Profit Maximizing Out ii) Maximum Profit iii) Equilibrium Price iv) Point elasticity of Demand and Equilibrium level of output v) Equilibrium of a firm and consumer;	Inductive method of teaching, classwork and Homework and Group Discussion.	Whiteboard, Marker, Duster, Projector, PPT Presentation,
	10 Classes	1. Inter-relationships among total, marginal and average costs and revenues.	a) To develop appreciation for mathematics as a problem-solving tool in various fields for its beautiful structures and patterns, etc.	<i>Using the conditions of Maxima and Minima the mathematical explanation on the Inter-relationships among total, marginal and average costs and revenues are discussed through: -</i> i) Cost Minimization ii) Profit Maximization iii) Revenue Maximization iv) Maximization of Tax revenue v) Production Behaviour	Inductive method of teaching, classwork and Homework and Group Discussion.	Whiteboard, Marker, Duster, Projector, PPT Presentation

Semester ended with Even Semester examination held on 25th May, 2023 – 23rd June, 2023

TEACHING PLAN
BA 6th SEMESTER 2023
PAPER VII

NAME OF THE PAPER: STATISTICS

NAME OF THE TEACHER: SHRI. ARTIS LINCTON SOHSHANG, ASST. PROFESSOR

UNIT PLAN	No of Lecture	Topics covered	Specific Objective	Content	Methodology	Teaching Aids
Unit – II	5 Classes	1. Correlation:	a) To enable the students to understand and describe how two different variables can be related, b) To enable the students to determine if two different variables have a linear or nonlinear relationship,	i) Concept of Correlation; ii) Types of Correlation iii) Degree of Correlation	Inductive method of teaching, classwork and Homework and Group Discussion.	Whiteboard, Marker, Duster, Projector, PPT Presentation
	10 Classes	<i>Measurement of Correlation</i> a) Scattered diagram; b) Karl Pearson c) Spearman's Rank Correlation;	a) To enable the students to describe the relationship between two different variables in terms of positive and negative correlation, b) To enable the students to describe how strongly correlated two different variables are based on the proximity to a line of best fit on a scatter graph or a scatter graph without a line of best fit.	i) Degree of correlation through a Scattered Diagram ii) Degree of correlation through Karl Pearson Coefficient of Correlation iii) Degree of correlation through Spearman's Rank Correlation: - a) When Rank is Given b) When Rank is Not Given c) When Rank is Repeated	Inductive method of teaching, classwork and Homework and Group Discussion.	Whiteboard, Marker, Duster, Projector, PPT Presentation
	6 Classes	1. Simple Linear Regression:	a) To enable the students to estimate the relationship between explanatory and response variable. b) To enable the students to determine the effect of each of the explanatory variables on the response variable. c) To enable the students to predict the value of the response variable for a given value of explanatory variable.	1. Concept of Simple Linear Regression 2. Calculating Linear Regression using the Least Squares method, 3. Interpretation of regression coefficients (two variables only).	Inductive method of teaching, classwork and Homework and Group Discussion.,	Whiteboard, Marker, Duster, Projector, PPT Presentation
<i>Semester ended with Even Semester examination held on 25th May, 2023 – 23rd June, 2023</i>						

TEACHING PLAN

BA 6th SEMESTER 2023

PAPER – VIII

NAME OF THE PAPER: PUBLIC ECONOMICS

NAME OF THE TEACHER: SHRI. ARTIS LINCTON SOHSHANG, ASST. PROFESSOR

UNIT PLAN	No of Lecture	Topics covered	Specific Objective	Content	Methodology	Teaching Aids
Unit – III	9 Classes	1. Public Expenditure;	a) To enable the students to define the concept of Public Expenditure. b) To enable the students to differentiate and relate the effects of Public Expenditure	i) Concept of Public Expenditure ii) Canons of Public Expenditure iii) Effects of Public Expenditure on: - a) Production b) Distribution c) Economic Stability d) Economic Growth	Lecture Method, Group Discussion, Home Assignment, Internal Test	Whiteboard, Marker, Duster, Projector, PPT Presentation
	4 Classes	1.Principles of Maximum Social Advantage 2.Bowen’s Model;	a) To enable the students to evaluate and analyse theory of MSA Bowel’s Model of Public Expenditure.	i) Principles of Maximum Social Advantage ii) Bowen’s Model of Public Expenditure;	Lecture Method, Group Discussion, Home Assignment, Internal Test	Whiteboard, Marker, Duster, Projector, PPT Presentation
	6 Classes	1. Samuelson’s Benefit Theory of Public Expenditure; 2. Musgrave’s Optimum Budget Theory,	a) To enable the students to critically appraise the theory of Public Expenditure. b) To give an understanding to the students above the growth of Public expenditure and its effect with respect to India.	i) Samuelson’s Benefit Theory of Public Expenditure; ii) Musgrave’s Optimum Budget Theory, iii) Structure and Growth of Public Expenditure with respect to India	Lecture Method, Group Discussion, Home Assignment, Internal Test	Whiteboard, Marker, Duster, Projector, PPT Presentation
<i>Semester ended with Even Semester examination held on 25th May, 2023 – 23rd June, 2023</i>						

TEACHING PLAN
BA 2nd SEMESTER 2023
PAPER – II

NAME OF THE PAPER: DEVELOPMENT AND ENVIRONMENTAL ECONOMICS
NAME OF THE TEACHER: SHRI SALKAM LEEZER S MOMIN, ASST. PROFESSOR

UNIT PLAN	Weeks	No of Lecture	Topics covered	Specific Objective	Content	Methodology	Teaching Aids
Unit – I	1 - 2	4 Classes	1. Economic Growth and Development	a) To enable the students to understand Economic Growth and development and factors affecting Economic Growth.	i) Meaning of Economic Growth and Development ii) Factors affecting Economic Growth	Lecture Method, Group Discussion, Home Assignment, Internal Test	Whiteboard, Marker, Duster, Projector, PPT Presentation
	3 – 6	6 Classes	1. Measurement of Development	a) To make the students understand about various measures of development	i) Physical Quality of life Index ii) Human Development Index iii) Gender related development Index iv) Comparative Concept	Lecture Method, Group Discussion, Home Assignment, Internal Test.	Whiteboard, Marker, Duster, Projector, PPT Presentation
	7 – 10	8 Classes	1. Population and Economic Development	a) To enable students to comprehend the relationship between population growth and Economic development.	i) Population and Economic Development	Lecture Method, Group Discussion, Home Assignment, Internal Test.	Whiteboard, Marker, Duster, Projector, PPT Presentation
	11 – 16	8 Classes	1. Structural Change and Economic Development	a) To enable the students to understand how structural change becomes a potential source of growth in the economy.	i) Structural Change and Economic Development.	Lecture Method, Group Discussion, Home Assignment, Internal Test	Whiteboard, Marker, Duster, Projector, PPT Presentation,

TOTAL NUMBER OF LECTURE FOR UNIT – I = 26 LECTURES

TOTAL NUMBER OF WEEKS FROM FEBRUARY – MAY, 2023 = 16 WEEKS

Semester ended with Even Semester examination held on 25th May, 2023 – 23rd June, 2023

TEACHING PLAN
BA 2nd SEMESTER 2023
PAPER – II

NAME OF THE PAPER: DEVELOPMENT AND ENVIRONMENTAL ECONOMICS

NAME OF THE TEACHER: SHRI SALKAM LEEZER S MOMIN, ASST. PROFESSOR

UNIT PLAN	Weeks	No of Lecture	Topics covered	Specific Objective	Content	Methodology	Teaching Aids
Unit – IV	1 - 4	10 Classes	1. International Trade as an Engine of Growth	a) To enable the students to acquire knowledge on International Trade.	i) International Trade as an Engine of Growth.	Inductive method of teaching, classwork and Homework and Group Discussion.	Whiteboard, Marker, Duster, Projector, PPT Presentation
	5 – 10	10 Classes	1. Static and Dynamic Gains From Trade 2. Myrdal thesis vs free trade	a) To enable the students to understand Static and Dynamic Gains from Trade. b) To enable the students study the Myrdal critique the prevailing patterns of trade and development.	i) Static and Dynamic Gains from Trade ii) Myrdal thesis vs free trade	Inductive method of teaching, classwork and Homework and Group Discussion.	Whiteboard, Marker, Duster, Projector, PPT Presentation,
	11 – 16	6 Classes	1. International Financial Institutions and Economic Development	a) To enable the students to acquire knowledge on funding, assisting on development projects and the major role they play in the social and economic development of countries with emerging economies.	i) Roles and functions of WTO and World Bank	Inductive method of teaching, classwork and Homework and Group Discussion.	Whiteboard, Marker, Duster, Projector, PPT Presentation
<p>TOTAL NUMBER OF LECTURE FOR UNIT – IV = 26 LECTURES TOTAL NUMBER OF WEEKS FROM FEBRUARY – MAY, 2023 = 16 WEEKS <i>Semester ended with Even Semester examination held on 25th May, 2023 – 23rd June, 2023</i></p>							

TEACHING PLAN

BA 6th SEMESTER 2023

PAPER VII

NAME OF THE PAPER: STATISTICS

NAME OF THE TEACHER: SHRI. SALKAM LEEZER S MOMIN, ASST. PROFESSOR

UNIT PLAN	Weeks	No of Lecture	Topics covered	Specific Objective	Content	Methodology	Teaching Aids
Unit – V	1 - 4	12 Classes	1. Probability	a) To enable the students to understand concept of Probability b) To enable the students to solve Rules of Probability	i) Concept ii) Rules of Probability (Addition and Multiplication)	Inductive method of teaching, classwork and Homework and Group Discussion.	Whiteboard, Marker, Duster, Projector, PPT Presentation
	5 – 10	18 Classes	a) Random Variables b) Mathematical Expectations c) Theoretical Distribution	a) To enable the students to describe the random variables of Probability b) To enable the students in finding out solutions of mathematical expectations and theoretical distribution	i) Random Variables ii) Mathematical Expectation iii) Theoretical Distribution a) Binomial b) Poisson and c) Normal	Inductive method of teaching, classwork and Homework and Group Discussion.	Whiteboard, Marker, Duster, Projector, PPT Presentation
	11 – 16	14 Classes	1. Sampling	a) To enable the students to obtain the maximum information about the population without examining each and every unit of population. b) To find the reliability of the estimates derived from the sample, which can be done by computing the standard error of the statistic.	1. Simple Random 2. Random and Stratified 3. Systematic and Cluster Sampling	Inductive method of teaching, classwork and Homework and Group Discussion.,	Whiteboard, Marker, Duster, Projector, PPT Presentation

TOTAL NUMBER OF LECTURE FOR UNIT – IV = 44 LECTURES

TOTAL NUMBER OF WEEKS FROM FEBRUARY – MAY, 2023 = 16 WEEKS

Semester ended with Even Semester examination held on 25th May, 2023 – 23rd June, 2023

TEACHING PLAN

BA 6th SEMESTER 2023

PAPER – VIII

NAME OF THE PAPER: PUBLIC ECONOMICS

NAME OF THE TEACHER: SHRI. ARTIS LINCTON SOHSHANG, ASST. PROFESSOR

UNIT PLAN	Weeks	No of Lecture	Topics covered	Specific Objective	Content	Methodology	Teaching Aids
Unit – V	1 - 5	9 Classes	1. Sources of Public Borrowing 2. Effects of Public Debt	a) To enable the students to learn and understand the Sources of Public Borrowing b) To enable the students in knowing the effects of Public Debt	i) Sources of Public Borrowing ii) Effects of Public Debt	Lecture Method, Group Discussion, Home Assignment, Internal Test	Whiteboard, Marker, Duster, Projector, PPT Presentation
	6 – 9	6 Classes	1.Methods of Debt Redemption 2.Growth of India’s Public Debt	a) To enable the students to evaluate and analyse methods of debt redemption b) To make the students understand the Growth of India’s Public Debt	i) Methods of Debt Repayment ii) Growth of India’s Public Debt	Lecture Method, Group Discussion, Home Assignment, Internal Test	Whiteboard, Marker, Duster, Projector, PPT Presentation
	10 – 16	9 Classes	1. Budget 2. Preparation and Passing of Budget in India.	a) To enable the students to learn the income and expense of a nation. b) To give an understanding to the students on how budget is prepared and passed in India	i) Kinds of Budget ii) Economic and Functional Classification of Budget iii) Preparation and Passing of Budget in India	Lecture Method, Group Discussion, Home Assignment, Internal Test	Whiteboard, Marker, Duster, Projector, PPT Presentation
<p>TOTAL NUMBER OF LECTURE FOR UNIT – V = 24 LECTURES TOTAL NUMBER OF WEEKS FROM FEBRUARY – MAY, 2023 = 16 WEEKS <i>Semester ended with Even Semester examination held on 25th May, 2023 – 23rd June, 2023</i></p>							

TEACHING PLAN**B.A 2ND SEMESTER (2023)****NAME OF THE PAPER: PAPER-III (DEVELOPMENT AND ENVIRONMENTAL ECONOMICS)****NAME OF THE TEACHER: SMT. BALKARI B SANGMA**

Unit Plan	Duration		Topics covered	Specific Objective	Content	Teaching Method	Teaching Aids
	Weeks	Lecture No.					
Unit-2	2	4 classes	- Classical theory of economic growth in General	To enable the students to understand the basic features of the classical theories of growth and comprehend relevance of classical theories in the context of developing countries.	1. Introduction of Classical Growth Theory. 2. Explanation of Classical theory of Economic Development. 3. Criticism, Conclusion.	Lecture Method.	Whiteboard, Marker, Study materials, Whatsapp
	3	5 classes	-Marx's Theory of Economic Development	To enable the students to understand Marx's Model of capitalism.	1. Introduction 2. Assumptions of the theory. 3. Explanation of the theory. 4. Criticism, Conclusion.		
	2	4 classes	-Harrod and Domar Models of Growth	To enable the students understand the process of growth as envisioned by Harrod and Domar. Realize the implication of Harrod-Domar Model in Developing Countries.	1. Introduction and Assumptios of Harrod-Domar model. 2. Explanation of Harrod model. 3. Explanation of the Domar model. 4. Conclusion 5. Introduction,	Lecture Method and Illustration Method	Whiteboard, Marker, Study materials, Whatsapp

	2	4 classes	-Lewis Theory of Unlimited Supply of Labour	To enable the learners to understand the principle factors of the Dual Economy models and Explain the criticisms of the Dual Economy models.	Assumptions of Lewis Theory 6. Features of Lewis Theory 7 . Criticism of Lewis model.	Lecture Method and Illustration Method	Whiteboard, Marker, Study materials, Whatsapp
	2	4 classes	-Theory of Unbalanced Growth.	To enable the learners to understand the basic features of Unbalanced Growth theory and explain the criticisms of the theory.	1. Introduction, Assumptions of Unbalanced Growth Theory. 2. Features of Unbalanced Growth Theory. 3. Criticism and Conclusion of Unbalanced Growth Theory.	Lecture Method and Illustration Method	Whiteboard, Marker, Study materials, Whatsapp
	2	3 classes	-Critical Minimum Effort Theory.	To enable the learners to explain the features and criticisms of Critical Minimum effort theory.	4. Introduction, Assumptions of Critical Minimum Effort Theory 5. Features 6. Criticism and Conclusion of Critical Minimum Effort Theory.	Lecture Method and Illustration Method	Whiteboard, Marker, Study materials, Whatsapp

Learning Outcome: Learners are able to learn important theories of Economic Growth and Development and its applications in the economic growth in the real life economy.

Total No. of weeks - 13 weeks

Total No. of Lectures- 24 Lectures

TEACHING PLAN**B.A 4TH SEMESTER (2023)****NAME OF THE PAPER: PAPER IV (MATHEMATICS FOR ECONOMISTS)****NAME OF THE TEACHER: SMT. BALKARI B SANGMA**

Unit Plan	Duration		Topics covered	Specific Objective	Content	Teaching Method	Teaching Aids
	Weeks	Lecture No.					
Unit-3	4	8 classes	-Limit and Continuity	To enable the students to define the concept of Limit and Continuity and explain the different sums on Limit and Continuity.	<ol style="list-style-type: none"> 1. Concept of Limit 2. Concept of Left hand limit and Right hand Limit. 3. Different Sums on Limit 4. Concept and Definition of Continuity 5. Sums on Continuity. 	Lecture-Cum - Demonstration Method Problem Solving Method	Whiteboard, Marker, Study materials, Whatsapp
	5	9 classes	-Rules of Differentiation	To enable the students to learn the concept of differentiation and understand the different rules on differentiation.	<ol style="list-style-type: none"> 1. Concept of Differentiation 2. Different Rules of Differentiation:- -Power Rule -Sum Rule -Product Rule -Chain Rule 	Lecture-Cum - Demonstration Method Problem Solving Method	Whiteboard, Marker, Study materials, Whatsapp
	4	8 classes	-Partial Differentiation -Total Differentiation	To enable the learners to define and learn the sums on Partial and Total Differentiation.	<ol style="list-style-type: none"> 1. Definition 2. Formula 3. Partial Differentiation 4. Rules of Partial Differentiation. 5. Examples. 	Lecture-Cum - Demonstration Method Problem Solving Method	Whiteboard, Marker, Study materials, Whatsapp

					6. Concept of Total Differentiation. 7. Sums on Total Differentiation.		
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Learning Outcome: Learners are able to understand the concept of Limit, Continuity and Differentiation and its application in analysis to economic phenomenon.

Total No. of weeks - 13 weeks

Total No. of Lectures- 25 Lectures

TEACHING PLAN**B.A 6TH SEMESTER (2023)****NAME OF THE PAPER: VII (STATISTICS)****NAME OF THE TEACHER: SMT. BALKARI B SANGMA**

Unit Plan	Duration		Topics covered	Specific Objective	Content	Teaching Method	Teaching Aids
	From	To					
Unit-4	4	10 classes	Index Number	To enable the learners to define index numbers and explain the different features and types of Index number.	<ol style="list-style-type: none"> 1. Definition 2. Importance of Index Number 3. Features of Index Number 4. Types of Index Number 	Lecture-Cum - Demonstration Method Problem Solving Method	Whiteboard, Marker, Study materials, Whatsapp
	4	12 classes	Index Number	To enable the learners to explain the uses of Index number and apply the different methods of Index number.	<ol style="list-style-type: none"> 1. Uses of Index number 2. Laspeyer's Index 3. Paasche's Index 4. Fisher's Index 	Lecture-Cum - Demonstration Method Problem Solving Method	Whiteboard, Marker, Study materials, Whatsapp
	5	15 classes	Index Number	To enable the learners to understand the problems, limitations of Index number.	<ol style="list-style-type: none"> 1. Problems in the Construction of Index number 3. Limitations of Index numbers. 4. Tests for ideal index number. 	Lecture-Cum - Demonstration Method Problem Solving Method	Whiteboard, Marker, Study materials, Whatsapp

Learning outcome : Learners are able to understand the concept, features and importance of index number, and learn the calculation methods of index number.

Total No. of weeks - 13 weeks

Total No. of Lectures- 37 Lecture

TEACHING PLAN**B.A 6TH SEMESTER (2023)****NAME OF THE PAPER: PAPER VII (PUBLIC ECONOMICS)****NAME OF THE TEACHER: SMT. BALKARI B SANGMA**

Unit Plan	Duration		Topics covered	Specific Objective	Contents	Teaching Method	Teaching Aids
	Weeks	No. of Lectures					
Unit-2	4	7 classes	Theories of Taxation	To enable the learners to understand the concept, classification, canons of taxation.	<ol style="list-style-type: none"> 1. Concept of Taxation 2. Classification of Taxes 3. Canons of Taxation. 	Lecture Method	Whiteboard, Marker, Study materials, Whatsapp
	5	15 classes	-Taxable Capacity -Welfare Cost of Taxation -Partial and General Equilibrium Analysis	To enable the learners to learn the concept, types measurement of Taxable capacity, welfare cost of taxation and Partial and General Equilibrium analysis.	<ol style="list-style-type: none"> 1. Meaning, Types, Factors affecting taxable capacity. 2. Meaning, Measurement of Welfare Cost of Taxation. 3. Concept, theory of Partial Equilibrium Analysis. 4. Concept theory of General Equilibrium Analysis. 	Lecture Method, Discussion Method.	Whiteboard, Marker, Study materials, Whatsapp
	4	12 classes	-Tax Incidence of taxes -Tax Subsidy Capitilzation -VAT -GST	To enable the learners to learn the concept, types and features of Tax Incidence of taxes, Tax Subsidy Capitilzation, VAT and GST	<ol style="list-style-type: none"> 1. Concept, Impact and Shifting of tax Incidence. 2. Concept, Working of Tax Subsidy. 3. Definition, Types, Working, Calculation of VAT, Merits, Drawbacks of VAT 4. Concept, GST Council, Features, Function of GST. 	Lecture Method, Demonstration Method.	Whiteboard, Marker, Study materials, Whatsapp

Learning outcome: learners are able to understand the concept, functions and measurement of theories of taxation.**Total No. of weeks - 13 weeks****Total No. of Lectures- 34 Lectures**

TEACHING PLAN (2023)**BA 2ND SEMESTER****PAPER II****NAME OF THE PAPER: DEVELOPMENT AND ENVIRONMENTAL ECONOMICS****NAME OF THE TEACHER: DR PYALLIE D SANGMA, ASST. PROFESSOR****Total number of Lectures: 28 Lectures**

General Objective	The general objective of this paper is introduction of the basic concepts of development economics and that of environmental economics. Students will learn some development models, international aspects of economic development and issues related to economy environment interactions, control of environmental damage etc.						
Unit	Week	classes	Topics	Specific Objective	Contents	Teaching Methodology	Teaching Aids
	1-3 weeks	6 classes	Market Failure and externality	To enable students to understand how environment goods leads to market failure and act as an externality	1. Concepts: market failure and causes 2. measures to control market failure 3. concept of externality and types 4. Positive Externality	Lecture Method, Group discussion, inductive method, Internal Test	White board and marker, study materials
Unit- V	4-7 weeks	8 classes	Market Failure and externality	To enable students to understand how environment goods leads to market failure and act as an externality	1. Negative externality 2. Externality and market failure 3. pollution as an externality	Lecture Method, Group discussion, inductive method, Internal Test	White board and marker, study materials

	8-10	6 classes	Public goods	To enable students to understand the difference between public and private goods from environmental point of view and how environment act as a public good	<ol style="list-style-type: none"> 1. Concept and characteristics 2. Public good 3. private good 3. environment as a public good 4. tragedy of the commons 	Lecture Method, Group discussion, inductive method,	White board and marker, PPT, Assignment, study materials
	11-14	8 classes	Pollution	To enable students to understand the concept and causes of pollution and how it affects the environment	<ol style="list-style-type: none"> 1. concept and types 2. causes of pollution 3. prevention 4. control and abatement 	Lecture Method, Group discussion, inductive method, Internal Test	White board and marker, study materials
	15-16 week	Revision week					

TEACHING PLAN**BA 4th SEMESTER****PAPER IV****NAME OF THE PAPER: MATHEMATICS FOR ECONOMISTS****NAME OF THE TEACHER: DR PYALLIE D SANGMA, ASST. PROFESSOR****Total Number of Lectures: 28 Lectures**

General Objective	This paper deals with the essential mathematical ideas and tools used for analysing various concepts of economic principles and relations. So it is useful for the students to learn these mathematical tools with applications in analysis of economic phenomenon.						
UNIT PLAN	Duration		Topics	Specific Objective	Contents	Teaching Methodology	Teaching Aids
	Weeks	Classes					
Unit 1	1-6 weeks	10 classes	Integration	To enable students to understand the concept of integration by using different rules and methods of integration	1. Concept of Indefinite integration 2. rules of integration 3. rules of integration 4 methods of integration	Lecture Method, Group discussion, inductive method, Internal Test,	White board and marker, study materials
	7-10	10 classes	Integration	To enable students to solve problem of integration by using the substitution method and by parts methods.	1.Integration by substitution 2. integration by parts	Lecture Method, Group discussion, inductive method, Internal Test	White board and marker, study materials

	11-16 weeks	8 classes	Definite integrals	To enable students to differentiate between definite and indefinite integrals and how to solve sums using applied economics in terms of integration	<ol style="list-style-type: none"> 1. concept and difference 2. consumer surplus 3. producer surplus 	Lecture Method, Group discussion, inductive method, Internal Test	White board and marker, study materials

TEACHING PLAN**BA 6TH SEMESTER****PAPER VII****NAME OF THE PAPER: STATISTICS****NAME OF THE TEACHER: DR PYALLIE D SANGMA, ASST. PROFESSOR****Total Number of Lectures: 45 Lectures**

General Objective	This paper provides some knowledge on basic tools of statistics and methods in analysing various economic phenomena in terms of consumers, producers and market behaviour						
UNIT PLAN	Duration		Topics	Specific Objective	Contents	Teaching Methodology	Teaching Aids
	weeks	classes					
Unit 1	1-2	6 classes	Measures of central tendency	Measures methods of central tendency enables students to identify the data of a distribution and helps in reducing the data to a single value which is useful for making comparative studies	1. Concept of central tendency and different types of measures 2. mean: individual and discrete series 3. mean: individual and continuous series	Lecture Method, Group discussion, inductive method, Internal Test	White board and marker, study materials
	3-5	9 classes	Measures of central tendency	Measures methods of central tendency enables students to identify the data of a distribution and helps in reducing the data to a single value which is useful for making comparative studies	2. median – Individual, discrete and continuous series 3. mode – Individual, discrete and continuous series	Lecture Method, Group discussion, inductive method, Internal Test	White board and marker, study materials

	6-9	9 classes		Measures methods of central tendency enables students to identify the data of a distribution and helps in reducing the data to a single value which is useful for making comparative studies	1. geometric mean 2. harmonic mean	Lecture Method, Group discussion, inductive method, Internal Test	White board and marker, study materials
	10-14	15 classes	measures of dispersion	It enables students to measure the reliability of the data, make comparative study and serve as a basis for further analysis	1. measures of dispersion 2. range and mean deviation 3. standard deviation 4. coefficient of variation	Lecture Method, Group discussion, inductive method, Internal Test	White board and marker, study materials
	15-16	6 classes			1. skewness 2. kurtosis	Lecture Method, Group discussion, inductive method, Internal Test	White board and marker, study materials

TEACHING PLAN**BA 6TH SEMESTER****PAPER VIII****NAME OF THE PAPER: PUBLIC ECONOMICS****NAME OF THE TEACHER: DR PYALLIE D SANGMA, ASST. PROFESSOR****Total Number of Lectures: 40 Lectures**

General Objective	The objective of this paper is to impart knowledge on how the fiscal policies of the government affect the macroeconomic objectives of allocative efficiency, distributive justice and economic stability.						
UNIT PLAN	Duration		Topics	Specific Objective	Contents	Teaching Methodology	Teaching Aids
	weeks	Classes					
Unit 1	1-2 weeks	6 classes	Public Economic policies	To enable students to learn the role of govt. - its functions in different branches, policy making etc	1. Concept of public economic policy 2. Allocation, distribution and stabilization	Lecture Method, Group discussion, inductive method, Internal Test	White board and marker, study materials
	3- 4	12 classes	Public goods	To enable students to understand the concept of public goods, private and merit goods: its basic characteristics in relation to the government	1. Public goods 2. private goods 3. merit good 4. methods of supply of pure public goods 5. free rider problem: causes and measures	Lecture Method, Group discussion, inductive method, Internal Test	White board and marker, PPT, Assignment, study materials

	5-7	12 classes	Externalities	It will help students to understand how externalities are related with public good which leads to market failure	1.externalities: concept and types 2.causes of externalities 3.solution of externalities	Lecture Method, Group discussion, inductive method, Internal Test	White board and marker, PPT, Assignment, study materials
	8-10	10 classes	Externalities	It will help students to understand how externalities are related with public good which leads to market failure	market failure: causes market failure: measures externality and market failure	Lecture Method, Group discussion, inductive method, Internal Test	White board and marker, PPT, Assignment, study materials
	11-16	Revision					