

FYUGP 4th Year
Course outcome
Department of Economics

Program Specific Outcomes (PSO):

- Apply quantitative techniques to analyse and interpret economic data effectively.
- Analyse economic phenomena using appropriate theoretical frameworks and methodologies.
- Synthesize economic concepts and principles to address real-world socio-economic challenges.
- Demonstrate proficiency in economic research by formulating hypotheses, collecting relevant data, and drawing meaningful conclusions

First Semester
Course Name: Introductory Economics
Course Code: ECO010104
Course level 100-199

Course outcome	Units	Bloom's Taxonomy Level
<p>CO 1: Describe the Indian economy in terms of its income and demographic features</p> <p>CO 2: Discuss the various measures of development</p> <p>CO 3: Explain the functioning of a financial system</p> <p>CO 4: Use the relevant statistical tools to systematically examine any given economic phenomenon</p> <p>CO 5: Compare the current events of the global and national economy</p>	<p>Unit-1 The Essences of the Economic Problem: Scarcity and Alternative Usability of Resources, Problem of Choice and Optimization by an Economic Agent. The Notion of Opportunity Cost. Notions of Individual Demand and Supply. Individual Demand Function, Demand Curve and the Law of Demand, Shift of the Demand Curve, The Idea and calculation of Elasticity: Price, Income and Cross Elasticities of Demand and their Significance. Cost of Production and Supply. Elasticity of supply.</p>	Understand, remember, analyse
	<p>Unit-2 Market and Its Role in the Economy: Market and its Different Forms - Perfectly Competitive Market versus Monopoly. Individual Demand to Market Demand, Individual Supply to Market Supply. Price determination in a Competitive Market. Stability of the Competitive Market Equilibrium. Consumers' and Producers' Surplus and Efficiency of the Markets Equilibrium</p>	Understand, remember, analyse
	<p>Unit-3 National Income and its Measurement: From Microeconomics to Macroeconomics. Income (Hicks' Definition), Domestic Income and National Income, GNP and its Measurement, Circular Flow of the Economy, NDP at Factor Cost as Domestic Income. Personal and Disposable Income, Purchasing Power Parity. Concepts of Unemployment, Inflation and Recession. Balance of Payment – current and capital Accounts</p>	Remember, understand, analyse, evaluate
	<p>Unit-4 Macroeconomic Equilibrium and Income Determination: Idea of Equilibrium as Applied to a Basic Macro economy, Ex Post and Ex Ante Savings and Investment, Keynes' Approach of Aggregate Effective Demand and Determination of Income, Multiplier Analysis</p>	Understand, remember, analyse
	<p>Unit-5 Basic concepts of Public Finance operations: Definition of Tax, Direct and Indirect Tax, Tax Rate, Buoyancy and Elasticity of a Tax, Proportionate, Progressive and Regressive Taxation. Government</p>	Understand, remember

	Budget and Its Revenue and Capital Components; Fiscal and Primary Deficits	
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Second Semester
Course Name: Basic Elements of Economics
Course Code: ECO020104
Course level 100-199

Course outcome	Units	Bloom's Taxonomy Level
CO 1: Describe the Indian economy in terms of its income and demographic features CO 2: Discuss the various measures of development CO 3: Explain the functioning of a financial system CO 4: Use the relevant statistical tools to systematically examine any given economic phenomenon CO 5: Compare the current events of the global and national economy	Unit 1-Primary and Secondary, Census versus Sample Survey, Distinction between population and sample, Distinction between population parameters and sample statistics, Principal steps in a sample survey, Methods of sampling -random, stratified, multi-stage and systematic random sampling. Measures of Central Tendency – Mean: Arithmetic mean (simple and weighted), Geometric mean, Harmonic mean, Median, Mode. Measures of Dispersion: Range, Inter-quartile deviation, mean deviation, standard deviation, Variance	Understand, remember, apply, analyse
	Unit-2 Meaning and Types, Construction, uses and limitations of index numbers, Cost of Living Index Numbers. Consumer Price Index Numbers for Agricultural Labourers in India, Consumer Price Index Numbers for Industrial Workers in India (concept only)	Remember, understand, apply,
	Unit-3 Economic growth and development: Per Capita Income (PCI) as a measure of development, International comparison of PCI and role of Purchasing Power Parity (PPP). Human Development Index (HDI), Concept of Sustainable development	Understand, remember,
	Unit-4 Financial System and its functions: Formal and informal financial system, Components of a financial system and their interdependence, Relationship between financial system and economic growth	Remember, understand, analyse,
	Unit-5 Basic features of Indian economy: Trend of national and per capita income, Sector-wise composition of GDP, Basic demographic features – age, sex composition, density, urbanization, Labour force and Work force and Participation rate , Unemployment, Occupational Pattern, Demographic Dividend.	Remember, understand, analyse,

Third Semester

Course Name: Intermediate Economics

Course Code: ECO030104

Course level 200-299

Course outcome	Units	Bloom's Taxonomy Level
<p>CO1: Identify basic micro and macroeconomic concepts.</p> <p>CO2: Associate with the elementary exposure to International Economics.</p> <p>CO3: Explain the behavior of individual economic agents and outcome of their decisions on the aggregated levels.</p> <p>CO4: Analyse real economic issues like consumer behavior, producer behavior, money, inflation employment, International Economics and basic theories.</p> <p>CO5: Assess real life consumer behaviour on the basis of economic theories.</p>	<p>Unit-1 Consumer's behaviour: Consumer's Budget Constraints and Effects of Income and Price Changes on it, Consumer's Preference Ordering and Indifference Curves, Axioms of Preference and Properties of Indifference Curves: Consumer's Optimized Choice; Income and Substitution Effects, Derivation of Demand Theorem. Normal and Inferior Goods and the Giffen Paradox</p>	<p>Remember, understand, analyse, evaluate</p>
	<p>Unit-2 Theory of Production and Cost: Total, Average & Marginal Product of a Single Variable Factor; Production Function with Two Variable Factors, Isoquant, Marginal Rate of Technical Substitution, Elasticity of Substitution; Homogeneity of Production Function, Returns to Scale, Least Cost Factor Combination, Expansion path, cost curves-Short and Long run</p>	<p>Remember, understand, apply, analyse, evaluate</p>
	<p>Unit -3 Firm's Revenue and Equilibrium: Total, Average and Marginal Revenue of a Firm under Perfect Competition and Monopoly, Equilibrium of a Profit Maximizing Firm under Perfect Competition and Monopoly. Need for Regulation of Monopoly</p>	<p>Remember, understand, apply, analyse, evaluate</p>
	<p>Unit -4 Money, Interest, Income: Definition and Functions of Money, Classical Theory of Full Employment Equilibrium, Quantity Theory of Money Keynes' Critique of the Classical Theory, Liquidity Preference and the Rate of Interest, Keynesian Income Determination Model with Rate of Interest</p>	<p>Remember, understand, apply, analyse, evaluate</p>
	<p>Unit-5 Credit Creation, Money Supply and Inflation: Banking System and Credit Creation Process; Money Supply; Inflation: Demand-pulled and cost-pushed, Effect on production and distribution; Central Bank's Tools of Monetary Control</p>	<p>Remember, understand, analyse, evaluate</p>
	<p>Unit-6 Elements of International Trade Theory: Autarky versus Trade, Absolute and Comparative cost, Gains from Trade</p>	<p>Remember, understand, analyse, evaluate</p>

Fourth Semester

Course Name: Public Finance

Course Code: ECO040104

Course Level: 200-299

Course outcome	Units	Bloom's Taxonomy Level
<p>CO-1: Identify the concept of market failure and its implications for public policy.</p> <p>CO-2: Illustrate the reasons for and consequences of public debt accumulation.</p> <p>CO-3: Classify the role of budget in funding government activities and its impact on economic behavior.</p> <p>CO-4: Choose the objectives, instruments and outcomes of fiscal policy in different economic contexts.</p> <p>CO-5: Assess the components of a government budget and their role in achieving economic stability and growth.</p>	<p>Unit-1 Meaning, Scope and Nature: Public Finance and its nature. Objectives of Fiscal Intervention: Allocation, Distribution and Stabilization. Parameters for policy evaluation: Equity, Efficiency, Paternalism</p>	Remember, understand, analyse, evaluate
	<p>Unit-2 Market Failure and Public Intervention: Public Goods and the Free Rider Problem. Externalities: inefficiencies and corrections, property rights, Coasetheorem</p>	Remember, understand, analyse, evaluate
	<p>Unit-3 Taxation: Principles of taxation: Benefit vs Ability. Shifting and Incidence of tax. Economic effects, dead weight loss and distortion. Efficiency and equity considerations.</p>	Remember, understand, analyse, evaluate
	<p>Unit -4 Public Expenditure: Principles of Expenditure Analysis, Fixed Quantity Subsidy for Marketed goods: overconsumption and Under consumption. Excise Subsidy: Allocative and Distributive Effect. Public Investment and Social Cost-Benefit Analysis</p>	Remember, understand, analyse, evaluate
	<p>Unit-5 Public Debt and Budgeting: Sources of Public Debt and its redemption. Burden of Public Debt. Strategies of Debt Management. Budgeting: Incremental vs Zero-based budgeting. Outcome Budget</p>	
	<p>Unit-6 Fiscal Policy and Federal Finance</p> <p>Objectives and Strategies, Compensatory fiscal policy, pump priming, functional finance. Balanced Budget Multiplier. Fiscal Federalism: Vertical and Horizontal Equity, Inter-governmental Transfers. Finance Commission of India.</p>	Remember, understand, , analyse, evaluate

Fourth Semester
Course Name: Advanced Macroeconomics
Course Code: ECO040204
Course Level: 200-299

Course outcome	Units	Bloom's Taxonomy Level
<p>CO-1: Provide an outline of the domain of Macro Economics</p> <p>CO-2: Describe basic ideas on macroeconomic indicators or variables.</p> <p>CO-3: Discusses various</p>	<p>Unit-1 Consumption Function:</p> <p>Average and Marginal Propensity to Consume; Factors influencing Consumption spending; Keynesian consumption function; An Overview of Post Keynesian theories of consumption: absolute income, relative income, permanent income & life cycle hypothesis.</p>	Remember, understand, apply evaluate

<p>alternative theories of output and employment determination in a closed economy in short-run, medium-run.</p> <p>CO-4: Analyses long run dynamic issues like growth and technical progress.</p> <p>CO-5: Develops theoretical understanding of issues related to an open economy</p>	<p>Unit-2 Investment Function: Types of investment- Autonomous and Induced, residential investment and inventory investment; determinants of business fixed investment; marginal efficiency of capital, marginal efficiency of investment; Accelerator theory of Investment; Multiplier-Accelerator interaction</p>	<p>Remember, understand, analyse, evaluate</p>
	<p>Unit-3 Macroeconomic modelling: IS-LM model and policy analysis, Incomedetermination in an open economy;Mundell-Fleming model; Exchange rate and itsdetermination; Purchasing power parity; Demand-Supply and Balance of Payments theory</p>	<p>Remember, understand, apply, analyse, evaluate</p>
	<p>Unit-4 Inflation, Unemployment and Expectations: Inflation-unemployment trade off and Phillipscurve; Adaptive and Rational expectations; policyineffectiveness debate.</p>	<p>Remember, understand, apply, analyse, evaluate</p>
	<p>Unit-5 Economic Growth: Harrod- Domar model; Solow model; Technologicalprogress and elements of endogenous growth.</p>	<p>Remember, understand, analyse, evaluate</p>

Fourth Semester
Course Name: Introductory Quantitative Techniques for Economics
Course Code: 040304
Course Level: 200-299

Course outcome	Units	Bloom's Taxonomy Level
<p>CO-1: Select some important topics of Quantitative Techniques for beginners of Economics.</p> <p>CO-2: Explain various preliminaries of mathematics like Differential Calculus, Integration of Functions, Single variable Optimization, Correlation Regression etc.</p> <p>CO-3: Differentiate from Integration, Correlation from Regression etc</p> <p>CO-4: Interpret the results of correlation and regression coefficients.</p> <p>CO-5: Design students' own model and interpret results.</p>	<p>Unit-1 Preliminaries of Mathematics 8 10 Constants and Variables, Number system, Sets and set operations, Ordered pairs and Cartesian products, relations and functions, Types of functions: quadratic, polynomial, power, exponential, logarithmic, Limit and Continuity of a Function.</p>	<p>Remember, understand, apply, analyse, evaluate</p>
	<p>Unit-2 Differential Calculus: Differentiation of a function, Basic rules of differentiation, partial and total differentiation, second and higher order derivatives for single variable, economic applications of differentiation.</p>	<p>Remember, understand, apply, analyse, evaluate</p>
	<p>Unit-3 Integration of Functions: Meaning and significance of integration, basic rules of integration, significance of a constant after integration, applications: derivations of total functions (total cost, total revenue, consumption and saving functions) from marginal functions, Definite integral and its application-consumer's surplus and producer's surplus</p>	<p>Remember, understand, apply, analyse, evaluate</p>

	Unit-4 Single Variable Optimization: Local and global optima: geometric characterization, characterization using calculus: tests for maximization and minimization, applications: profit maximization, cost minimization, revenue maximization.	Remember, understand, apply, analyse, evaluate
	Unit-5 Correlation Analysis: Correlation, Coefficient of linear correlation, Properties of Correlation coefficient, Rank Correlation, Partial Correlation, Multiple Correlation.	Remember, understand, apply, analyse, evaluate
	Unit-6 Regression Analysis: Regression: Concept, Difference with Correlation Analysis, Properties, Estimation of regression line in a bivariate distribution-Least squares method, properties of regression coefficients	Remember, understand, apply, analyse, evaluate

Fourth Semester
Course Name: Advanced Microeconomics
Course Code: 040404
Course Level: 200-299

Course outcome	Units	Bloom's Taxonomy Level
CO-1: Apply game theory to analyze market decisions. CO-2: Analyze the implications of public policy on labour markets. CO-3: Differentiate between forms of production functions such as Cobb-Douglas, CES, and Fixed coefficient type, and analyze their implications on total and partial factor productivity. CO-4: Compare partial and general equilibrium approaches. CO-5: Assess the criteria for social welfare optimization	Unit-1 Input Markets: Labour and land markets - basic concepts (derived demand, productivity of an input, marginal productivity of labour, marginal revenue product); demand for labour; input demand curves; shifts in input demand curves; competitive labour markets; and labour markets and public policy. Factors share & Technical progress- Backward bending supply curve of Labor.	Remember, understand, analyse, evaluate
	Unit -2 Theory of Production and Cost: Forms of Production Function; Cobb-Douglas, CES and Fixed coefficient Type – the Ideas of Partial and Total Factor Productivity– Derivation of Cost Function from Production Function – Multi-product Firm: production Efficiency Locus, Production Possibility Frontier	Remember, understand, analyse, evaluate
	Unit-3 Consumer Theory and Information Economics: A review of Indifference Curve, Violation of premises of Indifference curve approach, Revealed Preference Theory. Inter-temporal choice, Choice under risk-Expected Return, variability and Expected utility hypothesis- Asymmetric information- Adverse Selection and Moral Hazard	Remember, understand, analyse, evaluate

	<p>Unit- 4 Market Structure and Game Theory Monopoly, Pricing with Market Power; Degree of Monopoly, Price Discrimination- Different Degrees; Multi-plant Monopoly. Monopolistic competition: Product Differentiation, Perceived and Proportionate Demand Curves, Price-Output Determination. Oligopoly and Game Theory (Two Person Zero Sum Game, Basic ideas and examples of non-zero-sum games, Prisoner's Dilemma), Applications of Game Theory in Oligopolistic Markets (Cournot Equilibrium).</p>	Remember, understand, analyse, evaluate
	<p>Unit-5 General Equilibrium & Welfare Economics: Partial versus General Equilibrium Approaches- Walrasian General Equilibrium System. Pareto optimality, Kaldor-Hicks compensation criteria, Social Welfare Function, Fundamental Theorems of Welfare Economics, Arrow's Impossibility Theorem.</p>	Remember, understand, analyse, evaluate

Fifth Semester
Course Name: Development Economics
Course Code: 050104
Course Level: 300-399

Course Outcome	Units	Bloom's Taxonomy Level
CO 1: Interpret the various development strategies followed by different societies of the world. CO 2: Examine the process of development in different parts of the world. CO 3: Relate poverty, inequality and environment to the process of development. CO 4: Compare and contrast the alternate theories of growth and development. CO 5: Measure development using various indices to assess development conditions.	<p>Unit-1 Concepts of Development: Measurement of development: Traditional measure of development, HDI as a measure of development, Gender Related Development Index. Structural Change and Economic Development. Sustainable Development Goals, Climate Change Challenges and Global Coordination Initiatives.</p>	Remember, understand, analyse, evaluate
	<p>Unit-2 Poverty, Inequality and Development: Poverty - Conceptual Issues, Its Measurement, Poverty Trap - Definition, Causes and Economic Implications. Inequality - Conceptual Issues, Its Axioms and Measurement, Connections between Inequality and Development</p>	Remember, understand, analyse, evaluate
	<p>Unit-3 Classical Development Theories: Theories of Evolution of a Capitalist Economy- Classical, Marx, Schumpeter. Theories of Persistence of Underdevelopment: Vicious Circle, Rostow's Stages of Growth</p>	Remember, understand, analyse, evaluate
	<p>Unit -4 Strategies of Development: Big Push Theory, Balanced and unbalanced Growth Theory. Leibenstein Critical Minimum Theory</p>	Remember, understand, analyse, evaluate

	Unit-5 Dualistic Pattern of Development: Unlimited Supply of Labour and the Dual Economy -Models of Arthur Lewis and Fei-Renis, Rural-Urban Migration: The Harris–Todaro Model, Core-Periphery Models - The Process of Cumulative Causation: Myrdal, Neo-Colonial Dependence Model; Dependency School of Development	Remember, understand, analyse, evaluate
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Fifth Semester
Course Name: Indian Economy
Course Code: 050204
Course Level: 300-399

Course Outcome	Units	Bloom's Taxonomy Level
CO 1: Summarise the status of Indian economy in terms of development indicators since independence CO 2: Analyse the various changes initiated in India's agriculture and the rural sector CO 3: Examine the growth of India's manufacturing and service sector. CO 4: Assess the reforms and the recent policy initiatives introduced in the Indian economy CO 5: Appraise the role of the Indian economy in the global context	1 Broad Trends and Compositions 10 20 State of the Indian Economy at the time of independence – Growth in GDP and per capita income and changes in sector-wise composition during 1951-80 - BOP crisis brewing in 1980s – market oriented economic reforms initiated in 1991 – Growth trends, sector-wise composition, poverty and inequality in the post reform period	Remember, understand, analyse, evaluate
	Unit-2 Agriculture and the rural sector: Land reforms – Green Revolution – Agrarian crisis of 1990s Horticulture and livestock as new areas of growth – Role of PMGSY and MGNREGS in rural transformation - Challenges in the 21 st century: GM crops, Climate smart agriculture and doubling of farmers' income – Reforms in agriculture	Remember, understand, analyse, evaluate
	unit-3 Manufacturing and Service Sectors: Slow growth of manufacturing and its impact on employment generation – Growing role of services in income and employment generation – Definition, composition and prospects of MSME	Remember, understand, analyse, evaluate
	4 Key Initiatives and Reforms: GST – Direct Benefit Transfer – Jan DhanYojana and financial inclusion- Outstanding reforms: Land acquisition, Labour laws, and banking sector reforms – the challenge of formalizing of the economy	Remember, understand, analyse, evaluate

	5 India in the Global Economy: Size of the Indian Economy in the global context - Trade openness in the post-reforms and post-WTO regime – trends in the trade-GDP ratio - Capital flows (FDI and FII) and their impact – BIMSTEC and India-ASEAN free trade initiatives	Remember, understand, analyse, evaluate
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Fifth Semester
Course Name: International Economics
Course Code: ECO050304
Course Level: 300-399

Course Outcome	Units	Bloom's Taxonomy Level
CO1: Describe economic relationships among countries in terms of both trade and monetary issues. CO2: Explain the composition, direction and consequences of international trade. CO3: Analyze the determinants and effects of various trade policies. CO4: Assess the advances in trade theories over the years, trade policies as well as international monetary systems. CO5: Explain real-world examples and case studies related to international trade.	Unit-1 Evolution of International Trade Theories: The Ricardian theory- comparative advantage, Heckscher-Ohlin model, Factor price equalisation-Absolute and Relative, specific factors model, Empirical testing of H-O model: Leontief Paradox, factor-intensity reversal.	Remember, understand, analyse
	Unit- 2 Advances in Trade Theories: International trade in the context of economies of scale and imperfect competition, technological gap model of Posner and product cycle theory of Vernon; multinational enterprises and international trade.	Remember, understand, analyse
	Unit- 3 Trade Policy: Instruments of trade policy- tariff and quota-partial equilibrium analysis; political economy of trade policy- free trade vs. protection; controversies in trade policy, fixed versus flexible exchange rates; system of managed floating exchange rate.	Remember, understand, analyse
	4 International Economic Integration: Importance and forms of economic integration; costs of economic integration; Theories of Customs Union- partial equilibrium analysis.	Remember, understand, analyse
	5 International Monetary System: International monetary systems-definition, properties of a good international monetary system, Evolution of international monetary system from past to present; financial globalization and historical financial crises.	Remember, understand, analyse, evaluate

Fifth Semester
Course Name: Intermediate Quantitative Techniques for Economics
Course Code: 050404
Course level: 300-399

Course Outcome	Units	Bloom's Taxonomy Level
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<p>CO-1: Identify topics of Quantitative Techniques for students of Economics at intermediate level.</p> <p>CO-2: Compute solutions of simple market model, national income model and other simultaneous equations by using matrix.</p> <p>CO-3: Explain some basic concepts of functions and their applications.</p> <p>CO-4: Measure trend value by using Moving Average method and least square.</p> <p>CO-5: Integrate the knowledge of quantitative methods in interpreting economic issues.</p>	<p>Unit-1 Linear Algebra: Matrix: various types of matrices, vector and vector space-concept, matrix operations: addition, subtraction and multiplication; rank, norm and trace of a matrix, introduction to the concept of determinants and their properties, non-singularity of matrix, matrix inversion, solutions of simultaneous equations by using matrix inversion and Cramer's rule, simple market model and national income model.</p>	Remember, understand, apply, analyse,
	<p>Unit - 2 Functions of Real Variables: Homogeneous and homothetic functions: concepts, Differentiable functions: concepts, Implicit Function Theorem and applications; convex, quasi-convex and concave functions.</p>	Remember, understand, apply, analyse,
	<p>Unit- 3 Multi-variable Optimization: Unconstrained optimization: geometric characterization, characterization using calculus and applications: price discrimination and multi-plant firm; constrained optimization with equality constraints, Lagrange multiplier, applications: consumer's equilibrium and producer's equilibrium.</p>	Remember, understand, analyse,
	<p>Unit- 4 Elementary Probability Theory: Sample spaces and events; probability axioms and properties; addition and multiplication theorem of probability, counting techniques; conditional probability and Bayes' rule (concept only); Defining random variables; expected values of random variables.</p>	Remember, understand, apply, analyse, evaluate
	<p>Unit -5 Theoretical distributions: Functions of random variables (probability mass function and probability density function), Commonly used discrete and continuous distributions (Uniform, Binomial, Poisson and Normal).</p> <p>Unit-5 Introduction to Time Series: Time Series Analysis-Concept and Components; Measurement of Trend</p>	Remember, understand, apply, analyse, evaluate

Sixth Semester
Course Name: Assam Economy
Course Code: 060104
Course Level 300-399

Course Outcome	Unit content	Bloom's Taxonomy Level
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<p>CO1: Describe the status of Assam economy in some development indicators since independence</p> <p>CO2: Discuss the linkage between human capital formation and different sectors of an economy.</p> <p>CO3: Analyse the relevance of policies and its effects on different sectors in the context of the economy of Assam.</p> <p>CO4: Justify the need for the state's relationship with her neighbouring states.</p> <p>CO5: Prescribe policies for the overall upgrade of the state economy.</p>	<p>Unit -1 The Economy under Colonial Rule (1837 - 1947): Imposition of Land Revenue and Its Impact, Prohibition of Opium Production and State Takeover of Opium Trade, Inflow of Colonial Investment in Plantation, Mining and Other Industries. Development of Water Transport and Railways, In-migration of Population and its Impact on the Economy: Shock of Partition and its Impact</p>	Remember, understand, analyse, evaluate
	<p>Unit -2 Growth and Sectoral Composition in the Post-Independence Period: Population growth trends before and after 1971, Trends in Demographic Parameters: Population Density, Sex Ratio, Life Expectancy, Fertility Rate and Infant Mortality Rate – Work Force and Labour Force Participation, Occupational Distribution. Trends and Sector-wise Composition of GSDP, Trend in Per Capita. NSDP in comparison with trends in all-India Per Capita Income. Trends in Other Indicators of Development in Comparison with all-India standard: Life expectancy, Literacy, Enrolment and Forest Cover</p>	Remember, understand, analyse, evaluate
	<p>Unit - 3 Sectoral Status and Prospects: Infrastructure: Status of Road, Rail and Air Connectivity within and out of the State; Potentials and Limitation of Waterways Development; Status of Power and Telecommunication Agriculture: Land Holding Patterns, Land Tenure and Land Reforms, Cropping Pattern, Production and Productivity of Principal Crop –Diversification of the Rural Economy to Horticulture, Fishery, Livestock and Non-farm activities – Prospects and Challenges of the Sector. Industry: Tea Industry and Role of Small Tea Growers, The Future of Hydrocarbon Industry. Traditional Handloom Handicraft and their Prospect; Service Sector: Size and Composition. Tourism Resources and their Economic Potentials: Policies for sustainable realization</p>	Remember, understand, analyse, evaluate
	<p>Unit - 4 State Finances: Trends and composition of State Government receipts before and after GST regime. Composition of Public Expenditure and its implications. Sustainability of Government Borrowing. Fiscal Devolution to Local Bodies (Panchayats, Municipalities and Autonomous Councils)</p>	Remember, understand, analyse, evaluate
	<p>Unit -5 Assam Economy in its Neighborhood: Mutual inter-dependence with neighbouring States Stakes of Assam in the Act East Policy</p>	Remember, understand, analyse, evaluate

Sixth Semester
Course Name: Basics of Econometrics
Course Code: 060204
Existing Base Syllabus: UG CBCS Syllabus
Course Level: 300-399

Course Outcome	Unit content	Bloom's Taxonomy Level
<p>CO-1: Identify sources, consequences, and detection methods of violations of classical assumptions in regression analysis.</p> <p>CO-2: Estimate parameters in multiple linear regression models and evaluate the properties of Ordinary Least Squares (OLS) estimators</p> <p>CO-3: Demonstrate proficiency in utilizing MS Excel for econometric applications and solutions, including data analysis and interpretation of econometric models.</p> <p>CO-4: Analyze the properties and applications of statistical distributions</p> <p>CO-5: Utilize simple linear regression models for forecasting purposes.</p>	<p>Unit-1 Statistical Background: Normal distribution, chi-square, t- distribution, and F-distribution; estimation of parameters, properties of estimators, Statistical Inferences, Hypothesis testing, Type I and Type II errors, power of a test; Level of Significance, Confidence Interval.</p>	Remember, understand, apply, analyse, evaluate
	<p>Unit-2 Simple Linear Regression Model: Two Variable Case, Estimation of model by method of ordinary least squares, properties of estimators, Gauss-Markov theorem, BLUE, goodness of fit; tests of hypotheses, scaling and units of measurement, confidence intervals, forecasting.</p>	Remember, understand, apply, analyse, evaluate
	<p>Unit-3 Multiple Linear Regression Model: Estimation of parameters, properties of OLS estimators, goodness of fit, R^2 and adjusted R^2, partial regression coefficients, testing hypotheses – individual and joint, functional forms of regression models, qualitative (dummy) independent variables.</p>	Remember, understand, apply, analyse, evaluate
	<p>Unit-4 Violations of Classical Assumptions: Sources, Consequences, Detection and Remedies of Multi collinearity, hetero scedasticity, serial correlation</p>	Remember, understand, apply, analyse, evaluate
	<p>Unit-5 Specification Analysis: Omission of a relevant variable, inclusion of irrelevant variable, tests of specification errors</p>	Remember, understand, apply, analyse, evaluate

Sixth Semester
Course Name: Financial System
Course Code: 060304
Existing Base Syllabus: UG CBCS Syllabus
Course level 300-399

Course Outcome	Unit content	Bloom's Taxonomy Level
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<p>CO-1: Identify the various components of a financial system.</p> <p>CO-2: Explain the operation of a bank as a financial intermediary and understand measures undertaken to regulate banks.</p> <p>CO-3: Illustrate the trading process in the stock market.</p> <p>CO-4: Assess the operation of the various instruments of the money market.</p> <p>CO-5: Explain the modalities of resource mobilization in capital markets through various capital market assets</p>	<p>Unit-1 The Financial System: The nature of credit, Financial system and its Components: Instruments, Markets, Institutions and Services, The Functional Perspective of the Financial System, Financial System in Economic Growth and Global Integration.</p>	Remember, understand, analyse, evaluate
	<p>Unit-2 The Money Market: Structure and functions, Instruments in the money market, Call Money Market and its participants, Volatility in Call Rates, Money Market Intermediaries: The Discount and Finance House of India and Money Market Mutual Funds, Liquidity Management Instruments in the Money Market</p>	Remember, understand, analyse, evaluate
	<p>Unit-3 The Capital Market: The Capital market: Its nature and functions, Primary Capital Market: Instruments of resource mobilization- Public Issues: IPO & FPO, Right Issues, and Private Placement, Resource mobilization from International Capital Market, Pricing of new issues: the Book Building process, Reverse Book Building and Green Shoe Option, Secondary Capital Market: Organization, Management and Membership, Trading & Settlement, <i>The Over the Counter Exchange of India</i>, The Depository System and its operation, Stock Market Index- Method of calculating the index, Mutual Fund and its functional classification, Net Asset Value</p>	Remember, understand, analyse, evaluate
	<p>Unit-4 Banking Sector Operations: Overview of bank operations: Banks as financial intermediaries, Sources of Funds of banks, Uses of Funds by banks, Off-balance sheet activities of banks, Regulation of banks: Capital Regulation, Operations Regulation, Bank Monitoring Measures undertaken by Regulators, Issues relating to government bailout, Reforms in Banking Sector in India.</p>	Remember, understand, analyse, evaluate

Sixth Semester
Course Name: Environmental Economics
Course Code: 060404
Existing Base Syllabus: UG CBCS Syllabus
Course Level: 300-399

Course Outcome	Unit content	Bloom's Taxonomy Level
<p>CO-1: Draw a comprehensive knowledge and understanding of the issues related to environment and economy.</p> <p>CO-2: Indicate the issues related to market failure</p>	<p>Unit-1 Introduction: Basic concepts: Environment, Ecology, Economy and the ecosystem. Definition and scope of Environmental economics, why study environmental economics. Interaction between the environment and the economy, environmental economics and ecological economics, Environmental economics and resource economics.</p>	Remember, understand, analyse, evaluate

<p>of environmental goods and the instruments which can prevent the damages of market failure of environmental goods.</p> <p>CO-3: Differentiate environmental policies to reduce anthropogenic effect on environment.</p> <p>CO-4: Explain how an economy should use the natural resources in an optimum way, such that an economy can take up the path of sustainable development.</p> <p>CO-5: Make aware of global environmental issues</p>	<p>Unit-2 Market Failure in allocation of Environmental resources: Externality and its types; Market Failure: Meaning, Causes of market failure; Environment as a public good, Solutions to market failure: Government Intervention; Common Property Resources and its management.</p>	Remember, understand, analyse, evaluate
	<p>Unit-3 The Design and Implementation of Environmental Policy: Environmental Policies: Overview; Conventional Instruments: Command and Control (CAC) approach; Economic Instruments of Environmental Policies: Pigovian taxes and effluent fees, tradable permits and Liability rules. Monitoring and Enforcement: Meaning, Penalties, Cost of abatement.</p>	Remember, understand, analyse, evaluate
	<p>Unit-4 Sustainable Development: Approaches to Sustainable Development: weak sustainability, strong sustainability, Safe minimum standard approach, ecological perspective and social perspective, Rules and indicators of Sustainable Development; Green Accounting (concept only)</p>	Remember, understand, analyse, evaluate
	<p>Unit-5 International Environmental Problems and Initiatives: Trans boundary pollution (Problems of International Externalities), Economics of Climate change and Variability: Causes and Consequence; Inter linkages and trade-off between Environment and Development. Environmental Kuznet Curve. Trade and environment: pollution haven hypothesis. Global Intervention for Sustainable Development</p>	Remember, understand, analyse, evaluate