RISHI BANKIM CHANDRA EVENING COLLEGE
Naihati

Unitised Syllabus and Academic Calender
(Based on the Syllabus of West Bengal State University)

ECONOMICS
(Honours)

Old Regulation

PART-I

Paper-1 :   **ECONOMIC THEORY I**
          Group-A: Microeconomics-I   50 marks
          Group-B: Macroeconomics-I   50 marks

Paper-2:   **QUANTITATIVE TECHNIQUES FOR ECONOMICS I**
          Group-A: Statistics-I   50 marks
          Group-B: Mathematical Economics-I   50 marks

PART-II

Paper-3 :   **ECONOMIC THEORY II**
          Group-A: Microeconomics-II   50 marks
          Group-B: Macroeconomics-II   50 marks

Paper-4:   **DEVELOPMENT ECONOMICS & ISSUES ON ECONOMIC DEV.**
          Group-A: Development Economics   50 marks
          Group-B: Issues on Economic Development   50 marks

PART-III

Paper-5:   **INTERNATIONAL ECONOMICS & PUBLIC FINANCE**
          Group-A: International Economics   60 marks
          Group-B: Public Finance   40 marks

Paper-6:   **INDIAN ECONOMIC PROBLEMS & PLANNING**   100 Marks

Paper-7:   **QUANTITATIVE TECHNIQUES FOR ECONOMICS-II**
          Group-A: Statistics-II   50 marks
          Group-B: Mathematical Economics-II   50 marks

Paper-8:   **INDIAN ECONOMIC HISTORY, COMPUTER APP. & PROJECT WORK**
          Group-A   (i)   Indian Economic History   25 marks
                       (ii)   Computer Application   25 marks
          Group-B   Project Work   50 marks

PAPER 1: ECONOMIC THEORY-I

GROUP A MICROECONOMICS I

Month	Topic	No. of lectures	Faculty
July	**INTRODUCTION** Nature and scope, Scarcity and choice, Concepts of demand and supply, Demand function, Supply function, Market equilibrium, Impact of changes in demand and supply, Price system as an economic mechanism.	10	AB
August	**CONSUMER BEHAVIOUR** Assumptions on preference ordering, Indifference curve, Budget constraint and Consumer's equilibrium, Substitution effect (Hicks & Slutsky) and Income effect, Ordinary and Compensated demand curves, Inferior goods and Giffen goods, Price consumption and income consumption curves, Derivation of labour supply and inter-temporal choice, Saving and borrowing, Revealed Preference – the weak axiom and substitution effect.	15	AB
September	**DEMAND AND SUPPLY** Market equilibrium, Stability of equilibrium, Elasticity of demand and supply, Consumer's and producer's surplus, Burden of indirect taxes and subsidies, Price and quantity controls, Minimum wage, Import tariff and quota. **CLASS TEST**	15	AB
October	PUJA VACATION		
November	**PRODUCTION AND COST** Production function, Total, Average and Marginal products, Isoquants and economic regions of production, Cost minimization and expansion path, Elasticity of substitution, Economies of scale, Cobb Douglas, Fixed coefficient and CES functions, Short run and long run costs, Derivation of the cost function from production function.	15	AB
December	**PERFECT COMPETITON** Features, Short run and long run equilibrium of the firm, Short run supply function, Industry equilibrium, Long run industry supply with or without external economies or diseconomies **CLASS TEST**	15	AB
January, February	Revision, Question Paper Discussions, Students' Seminars, Library Work, Assignments		AB
March, April	SELECTION TEST EXAMINATION		
May, June	STUDY LEAVE, SUMMER RECESS, UNIVERSITY EXAMINATION		

PAPER 1:   **ECONOMIC THEORY-I**

GROUP B   **MACROECONOMICS I**

Month	Topic	No. of lectures	Faculty
July, August	**MACROECONOMIC DATA** National Income accounting – GDP, GNP, NNP, NI, DPI, Different methods of Calculating NI; Measurement of cost of living – CPI, GDP Deflator; Measuring Joblessness – Unemployment rate, Unemployment and GDP – Okun's Law; NI as a measure of economic welfare.	15	AD
September	**THE ECONOMY IN THE LONG RUN** The Classical Analysis of the real sector – Determination of employment, income and interest rate. **CLASS TEST**	15	AD
October	PUJA VACATION		
November	**THE ECONOMY IN THE SHORT RUN** Simple Keynesian analysis of aggregate demand with or without govt. sector; Multipliers; IS-LM analysis, Fiscal policy and Monetary policy; IS-LM analysis in the short run and long run.	20	AD
December, January	**INTRODUCTION TO ECONOMIC FLUCTUATION** Impact of shift of aggregate demand curve both in the short run and in the long run. **THE COMPLETE KEYNESIAN MODEL** A three sector model taking into consideration of product market, money market and labour market. **CLASS TEST**	20	AD
February	Revision, Question Paper Discussions, Students' Seminars, Library Work, Assignments		AD
March, April	SELECTION TEST EXAMINATION		
May, June	STUDY LEAVE, SUMMER RECESS, UNIVERSITY EXAMINATION		

PAPER 2: **QUANTITATIVE TECHNIQUES FOR ECONOMICS - I**

GROUP A **STATISTICS I**

Month	Topic	No. of lectures	Faculty
July	**DATA PRESENTATION** Statistical data, Classification and presentation, Population and sample, Collection of data, Variable and attribute, Frequency distribution, Diagrammatic representation of frequency distribution, Ogive.	10	BD
August, September	**DESCRIPTIVE STATISTICS** Measures of Central tendency: Arithmetic mean, Median and mode (for both grouped and ungrouped data) – Comparison of mean, median and mode, Geometric mean and harmonic mean, Composite mean. Index number: Fixed Base and Chain Base Index – Laspeyres, Paasche, Fisher and cost of living index number. Measures of Dispersion: Range, Mean deviation and Standard deviation, Quartile deviation, Measures of relative dispersion, Curve of concentration Measures of Skewness and Kurtosis **CLASS TEST**	30	BD
October	PUJA VACATION		
November	**ANALYSIS OF BIVARIATE DATA** Simple correlation and simple regression – Properties and methods of calculation	15	BD
December	**TIME SERIES** Trend, Polynomial trend & Logistic trend, Seasonal Variation, Methods Moving Average. **CLASS TEST**	15	BD
January, February	Revision, Question Paper Discussions, Students' Seminars, Library Work, Assignments		BD
March, April	SELECTION TEST EXAMINATION		
May, June	STUDY LEAVE, SUMMER RECESS, UNIVERSITY EXAMINATION		

PAPER 2:   **QUANTITATIVE TECHNIQUES FOR ECONOMICS - I**

GROUP B   **MATHEMATICAL ECONOMICS I**

Month	Topic	No. of lectures	Faculty
July	**SETS** Set Operations, Finite and infinite sets, Mapping of Set, Ordered Sets, Linear point Sets.	10	AK
August	**ELEMENTS OF CALCULUS** Functions, Limits & Continuity, Total derivatives, Partial derivatives, Homogenous function, Euler's theorem, Simple integration, Definite integrals	15	
September	**MAXIMA & MINIMA OF FUNCTIONS** Constrained or unconstrained – Economic Applications – Utility Functions, Revenue Function, Cost Function, Profit Function, Maximising Excise – Tax & Revenue.	15	AK
October	PUJA VACATION		
November	**LINEAR ALGEBRA** Determinants – Minors and Cofactors, Properties of determinant, Jacobian theorem, Matrix	10	AK
December, January	**SOME SIMPLE APPLICATIONS OF MATHEMATICS ON ECONOMIC THEORY** Domain & Range of the Cost function; Finding Marginal revenue (MR) function from Average revenue (AR) function; Application of Matrix and Determinant to market models; National Income Determination and IS –LM model; Given the production function Q=f (K, L), Write the set notation of an isoquant; Given the average revenue function justify whether AR & MR curves are continuous.	20	AK
February	Revision, Question Paper Discussions, Students' Seminars, Library Work, Assignments		AK
March, April	SELECTION TEST EXAMINATION		
May, June	STUDY LEAVE, SUMMER RECESS, UNIVERSITY EXAMINATION		

PAPER 3:   **ECONOMIC THEORY-II**

GROUP A   **MICROECONOMICS II**

Month	Topic	No. of lectures	Faculty
July	UNIVERSITY EXAMINATION		
August	**MONOPOLY AND MONOPOLISTIC COMPETITION** Monopoly: Sources of monopoly power, Index of monopoly power, Equilibrium with single plant, multiple plants, Price discrimination, Constrained revenue maximisation, Natural monopoly, Effects of different types of location, Dead-weight loss of monopoly. b) Monopolistic Competition: Features, Short-run & Long-run equilibrium, Excess Capacity.	20	AB
September	**OLIGOPOLY** Conjectural Variation & Reaction functions, Analysis of Cournot & Stackelberg, Collusive Oligopoly & Prisoners' dilemma in cartel stability, Nash equilibrium of game.	20	AB
October	PUJA VACATION		
November	**FACTOR PRICING** Derived demand for a single input & multiple input in competitive & imperfectly competitive markets, Firm demand & industry demand, Adding up problem, Collective baegaining & exploitation, Rent & Quasi-rent.	15	AB
December	**WELFARE ECONOMICS** Conditions of Pareto optimality in pure exchange & in production, Optimality of perfect competition, Externalities & market failure. **CHOICE UNDER UNCERTAINTY** Basic concepts, Describing Risk, Preferences towards risk, Reducing risk, the demand for Risky assets-the trade-off between Risk & Return.	15	AB
January, February	Revision, Question Paper Discussions, Students' Seminars, Library Work, Assignments, Class Tests		AB
March,	SELECTION TEST EXAMINATION		
April, May, June	STUDY LEAVE, SUMMER RECESS, UNIVERSITY EXAMINATION		

PAPER 3:   **ECONOMIC THEORY-II**

GROUP B   **MACROECONOMICS II**

Month	Topic	No. of lectures	Faculty
July	UNIVERSITY EXAMINATION		
August	**MICRO-FOUNDATION OF MACRO-BEHAVIOUR** Consumption function: Keynes and the consumption function, Secular stagnation & the consumption puzzle, Inter-temporal choice, Permanent income hypothesis and lifecycle hypothesis. Investment function: Fixed investment; The neoclassical approach, Tobin's q, Residential investment, Accelerator model of investment.	20	AD
September	**DEMAND FOR MONEY** Transaction demand for money, Precautionary demand for money, Speculative demand for money, The Regressive Expectations Model, The portfolio balance approach, The Baumol-Tobin models of Cash Management, Money as a consumer's and producer's good. **SUPPLY OF MONEY** Definitions of Money supply (M_1, M_2, M_3, M_4), Credit creation by commercial banks, Money multiplier, Instruments of monetary policy	20	AD
October	PUJA VACATION		
November	**INFLATION** Definition and functions of money, Quantity theory of money, Money, prices and inflation, Inflation and interest rates; The fisher effect, Future money and current prices, The social costs of inflation.	15	AD
December	**AGGREGATE SUPPLY AND PHILLIPS CURVE** Inflation, unemployment and Phillips curve, Shift of Phillips curve, Causes of inflation, Disinflation and sacrifice ratio, Rational expectation and painless disinflation. **RECENT DEVELOPMENTS IN MACRO ECO.** Rational expectations, Real business cycle, New Keynesian Economics	15	AD
January, February	Revision, Question Paper Discussions, Students' Seminars, Library Work, Assignments, Class Tests		AD
March	SELECTION TEST EXAMINATION		
April, May, June	STUDY LEAVE, SUMMER RECESS, UNIVERSITY EXAMINATION		

PAPER 4:   **DEVELOPMENT ECONOMICS & ISSUES ON ECONOMIC DEV.**

GROUP A   **DEVELOPMENT ECONOMICS**

Month	Topic	No. of lectures	Faculty
July	UNIVERSITY EXAMINATION		
August	**MEANING OF DEVELOPMENT** Issues of Economic development – Traditional approach (Economic & non-economic – Per capita income, Physical quality life index, Basic needs approach, Sustenance, Self esteem, Freedom from servitude) - Capability approach – Human development index – Gender related development index. **STAGES OF GROWTH** Rostow and Marx in comparison with Rostow	20	BD, AK
September	**SOURCES OF ECONOMIC GROWTH** Labour: Demographic issues, Theory of demographic transition, Trap models and their criticism (Nelson's and Leibenstein's models may be discussed in brief.) Capital: Capital accumulation, Capital-output ratio, Technological progress - Concepts of Hicks, Harrod, Solow, Neutral Technological progress	20	BD, AK
October	PUJA VACATION		
November	**PROBLEMS OF LABOUR SURPLUS ECONOMY** Lewis model and its criticism, Nurkse's idea of disguised saving potential, Concept of labour surplus (disguised unemployment), Sen's Model Labour migration and Harris-Todaro model. **DEVELOPMENT STRATEGY** Balanced vs. unbalanced growth, Choice of technique in labour surplus economy.	15	BD
December	**POVERTY INEQUALITY AND STD OF LIVING** Measurement and issues, Lorenz curve, Gini Coefficient, Headcount index, Poverty gap, Inequality and development, Sen's Index. **THE ENVIRONMENT AND DEVELOPMENT** Sustainable development, common property resources (tragedy of the commons), Kuznet's curve.	15	BD
January, February	Revision, Question Paper Discussions, Students' Seminars, Library Work, Assignments, Class Tests		BD
March	SELECTION TEST EXAMINATION		
April, May, June	STUDY LEAVE, SUMMER RECESS, UNIVERSITY EXAMINATION		

PAPER 4:   DEVELOPMENT ECONOMICS & ISSUES ON ECONOMIC DEV.

GROUP B   ISSUES ON ECONOMIC DEVELOPMENT

Month	Topic	No. of lectures	Faculty
July	UNIVERSITY EXAMINATION		
August	**TRADE AND DEVELOPMENT** Trade as an engine of growth – The historical perspective, Static and dynamic gains from trade, Trade as a rent for surplus, Some criticisms of Traditional Free Trade Theory in the context of the experience of developing nations; Arguments for protection – The Infant industry argument for tariff protection; Terms of Trade and Economic Development – various terms of trade (net barter and income terms of trade) – Prebisch-Singer thesis and terms of trade debate; Alternative Industrialisation Strategy for developing nations – Import Substitution and Export promotion	20	AK
September	Multinational Corporations and Foreign Direct Investment – FOI and FPI; Two main forms of FDI (Greenfield investment & merger or acquisition); MNCs – main features, implications for the host nations; Foreign aid (concept only) **DEVELOPMENT AND UNDERDEVELOPMENT AS A HISTORICAL PROCESS** Dependency theory of Baran and Frank; The concept of unequal exchange	20	AK
October	PUJA VACATION		
November	**PLANNING FOR DEVELOPMENT** Rationale for planning, The instances of market failure and the role of state; Govt. failure and Resurgent preference for markets over planning; Decentralisation	15	AK
December	**EVOLUTION OF THE INTERNATIONAL ECO.** The origin, objectives and functions of IMF and World Bank; The Third World Debt crisis and the structural adjustment policies adopted by IMF; The new International Economic Order	15	AK
January, February	Revision, Question Paper Discussions, Students' Seminars, Library Work, Assignments, Class Tests		AK
March	SELECTION TEST EXAMINATION		
April, May, June	STUDY LEAVE, SUMMER RECESS, UNIVERSITY EXAMINATION		

PAPER 5: **INTERNATIONAL ECONOMICS & PUBLIC FINANCE**

GROUP A **INTERNATIONAL ECONOMICS**

Month	Topic	No. of lectures	Faculty
July	UNIVERSITY EXAMINATION		
August	**THE THEORY OF COMPARATIVE ADVANTAGE AND GAINS FROM TRADE** The concept of Production possibility curve (PPC) and community indifference curve – autarky equilibrium; Gains from trade and its decomposition into gains due to exchange and gains due to specialisation; Adam Smith and Absolute advantage theory of trade; David Ricardo and the theory of comparative advantage – The concept of opportunity cost, Derivation of PPC of trading nation with constant opportunity cost, Gains from trade; Determining the relative price of tradable after trade in terms of relative demands and relative supply curves, Derivation of world PPC, country size and gains from trade, limitations of the Ricardian model; Offer curve – Definition, Derivation of offer curve, Determination of elasticity of offer curve at a point on offer curve, Determination of free trade Terms of Trade (TOT) in terms of offer, Concept of trade indifferent curve, Ricardian offer curve	20	AD
September	**COMPARATIVE ADVANTAGE IN THE HECKSCHER-OHLIN TRADE MODEL** The basic assumptions of the model Factor abundance defined in physical terms and by factor price; Heckscher – Ohlin Theorem (Statement & Proof in terms of physical and price definition of factor abundance); A comparison of comparative advantage in the Ricardian and in the Heckscher-Ohin Trade model. **COMMODITY AND FACTOR PRICES UNDER TRADE – FACTOR PRICE EQUALISATION** Factor price equalization theorem, Basic concept of factor intensity reversal. Empirical testing of H-O theorem - Leontief paradox	20	AD
October	PUJA VACATION		
November	**INSTRUMENTS OF RESTRICTIVE TRADE** Effect of tariff (import duty) and quota – some partial aspects; Tariff versus Quota and their equivalence; Effective rate of protection. **TARIFF UNDER OPTIMAL MARKET CONDITIONS**	20	AD

Month	Topic		
	Tariffs and income distribution: The Stolper – Samuelson theorem; Tariff, the terms of trade and domestic prices – the Metzler's paradox; Tariff and the national income – the optimum tariff		
December	**THE BALANCE OF PAYMENT (BOP)** BOP accounting principles; Current and capital account transaction, Statistical discrepancy; Equilibrium and Disequilibrium in the BOP-autonomous and accommodating transactions **THE DETERMINATION OF NATIONAL INCOME IN AN OPEN ECONOMY** Foreign trade multiplier (with and without repercussion effect) **THEORY OF EXCHANGE RATE, DEVALUATION AND TRADE BALANCE** Imports, Exports and foreign exchange market - demand – supply framework; Different types of exchange rate system, fixed and flexible (clean or managed float) exchange system; The working of fixed and flexible exchange rate system with special reference to foreign exchange risk, Inflation; Concept of Internal and external balance - The swan diagram – Expenditure switching and expenditure adjustment policies – Marshall – Lerner condition for successful devaluation of home currency	20	AD
January	SELECTION TEST EXAMINATION		
February	Revision, Question Paper Discussions		AD
March, April	STUDY LEAVE, UNIVERSITY EXAMINATION		

PAPER 5:   **INTERNATIONAL ECONOMICS & PUBLIC FINANCE**

GROUP B   **PUBLIC FINANCE**

Month	Topic	No. of lectures	Faculty
July	UNIVERSITY EXAMINATION		
August	**ECONOMIC ROLE OF THE STATE** Public goods and market failure, Distinction between private goods and public goods, Samuelson's solution for the optimal provision of public goods, Lindahl's Equilibrium for optimal tax sharing, Free rider problem, Justification of Government expenditure in defense, education, health, infrastructure.	15	AB
September	**PRINCIPLES OF TAXATION** Ability to pay and benefit approaches, Horizontal and Vertical equity.	15	AB
October	PUJA VACATION		
November	**DIRECT AND INDIRECT TAXATION** Effect of Income tax on work effort, Saving and risk bearing, Incidence of sales and excise tax – excess burden of indirect taxation, value added tax.	15	AB
December	**PUBLIC DEBT** Internal and external burden- Different concepts of deficit in Government's budget – Burden of internal public debt, Burden of public debt on future generation, External public debt, comparison of internal and external public debt.	10	AB
January	SELECTION TEST EXAMINATION		
February	Revision, Question Paper Discussions		AB
March, April	STUDY LEAVE, UNIVERSITY EXAMINATION		

PAPER 6: **INDIAN ECONOMIC PROBLEMS AND PLANNING**

Month	Topic	No. of lectures	Faculty
July	UNIVERSITY EXAMINATION		
August	**STRUCTURE OF INDIAN ECONOMY** Changes in the pattern of inter sectoral distribution of national income, changes in the pattern of occupational structure **AGRICULTURE** Farm size and productivity- controversial Indian experience, Marketable Surplus and Marketed Surplus of food grains, prices and acreage elasticity of Marketed Surplus; Different aspects of New Agricultural Strategy (Green Revolution)-output, employment and distribution of income & wealth; Land Reforms, Food security and government intervention in food grains; Problems of Institutional Credit in Indian agriculture. Impact of globalization in Indian agriculture	30	AK
September	**GROWTH AND STAGNATION IN INDIAN INDUSTRIES** State initiative in industrialization. Evaluation of Industrial policies including Licensing Policies, Role, Performances and Weaknesses of Public Sector Industries. New Industrial policy in the post-globalization era. Disinvestment Policy. **UNEMPLOYMENT AND POVERTY** Nature and types of unemployment in India. Problems related to the measurement of Unemployment in India; Problems related to female and child labour in India. Poverty in India, Different estimates of poverty. Evaluation of different policies and programmes aiming at eradication of poverty	30	AK
October	PUJA VACATION		
November	**MONEY AND CAPITAL MARKET** Reserve Bank of India and Indian Money market. Monetary policies in recent years. Relation between Money Market and Capital Market in India. Nationalization of commercial Banks and problems associated with Nationalized Banking Sector. Reforms in Monetary Sector and Capital Market in India. **INDIAN PUBLIC FINANCE** Trends problems and Reforms. Central-State allocation of Financial Resources- Controversies, Recommendation of different committees in resolving this controversy	30	AB
December	**EXTERNAL SECTOR**	30	AD, AK

	Composition, Direction, and Trend in Foreign Trade. Problems related to the Balance of Payments. EXIM Policies and other recent measures (such as convertibility of rupee) to improve BOP **RATIONALE OF PLANNING AND MIXED ECONOMY** Five Year Plans- Objective, achievement and failure. Financing of Five Year Plans, Special focus on 2_{nd}, 7_{th} and 9_{th} plans.		
January	SELECTION TEST EXAMINATION		
February	Revision, Question Paper Discussions		AK
March, April	STUDY LEAVE, UNIVERSITY EXAMINATION		

PAPER 7:   **QUANTITATIVE TECHNIQUES FOR ECONOMICS - II**

GROUP A   **STATISTICS II**

Month	Topic	No. of lectures	Faculty
July	UNIVERSITY EXAMINATION		
August	**PROBABILITY THEORY AND DISRIBUTION** Elements of Probability Theory: Sample space & events, Meaning of probability, Classical definition, Addition rule, Multiplication rule, Theorems of total probability – Mutually and non-mutually exclusive events, Conditional and statistical independence, Limitations of the classical definition, An axiomatic approach, Bayes' formula, Random variables, Probability mass and density functions, Marginal and conditional distributions, Expectations and variances of random variables (for random sampling with or without replacements); Some Univariate Probability Distributions: Binomial distribution, Poisson distribution, Normal distribution, Standard Normal distribution – mean, variance, moment generating function (MFG), Skewness and kurtosis, Limiting forms of Binomial and Poisson distribution, Importance of normal distribution in statistics.	20	BD
September	**ELEMENTARY SAMPLING THEORY** Populations and sample, Parameter and statistic, Random sampling, Practical methods of drawing random samples, Random sampling measures, Sampling distribution of expectation and standard error.	20	BD
October	PUJA VACATION		
November	**CLASSICAL STATISTICAL INFERENCE** Basic concepts of Estimation, esirable properties of estimators, Unbiasedness, Minimum variance, Simple methods of point estimation, Confidence interval, Testing of hypothesis, P-value, Type 1 and Type 2 errors, Simple application of tests for mean and variance of a Univariate normal population	15	BD
December	**APPLICATION IN PROJECT WORK**	15	BD
January	SELECTION TEST EXAMINATION		
February	Revision, Question Paper Discussions		BD
March, April	STUDY LEAVE, UNIVERSITY EXAMINATION		

PAPER 7:   **QUANTITATIVE TECHNIQUES FOR ECONOMICS - II**

GROUP B   **MATHEMATICAL ECONOMICS II**

Month	Topic	No. of lectures	Faculty
July	UNIVERSITY EXAMINATION		
August	**STATIC EQUILIBRIUM ANALYSIS AND COMPARATIVE STATICS** Meaning of partial and general equilibrium, Comparative static analysis using Cramer's rule Applications: Simple Keynesian and IS-LM models, Rybczynski theorem and Stolper – Samuelson theorem **INTEGRATION AND DYNAMIC ANALYSIS** Techniques of integration Applications: from marginal function to total function, consumer's surplus, producer's surplus, investment and capital formation, present value First order and second order differential equations: Applications: Time path of price and quantity in competitive markets, time path of income in simple Keynesian model, Stability analysis, Time path of inflation and unemployment rates, Solow growth model. First order and second order difference equations Applications: Cobweb model, Market model with inventory, Samuelson's multiplier–accelerator interaction model, inflation and unemployment in discrete case.	20	AK
September	**INPUT – OUTPUT ANALYSIS** A two sector Leontief static open model, Assumptions, Output solutions, Hawkins – Simon conditions and its economic interpretations, Linear programming interpretation, Consumption possibility Locus, Price system in LSOM. **LINEAR PROGRAMMING (LP)** The LP problem, Duality and economic interpretation, simplex method, complementary slackness relationship of primal and dual. Application: Diet problem, Transportation problem	20	AK
October	PUJA VACATION		
November	**GAME THEORY** Structure of Game, Pay off matrix, Two person zero sum game, saddle point, Pure strategy, Mixed strategy.	15	AK
December	**Revision, Question Paper Discussions**	15	AK
January	SELECTION TEST EXAMINATION		
February	Project Work		AK
March, April	STUDY LEAVE, UNIVERSITY EXAMINATION		

PAPER 8:   INDIAN ECONOMIC HISTORY, COMPUTER APPLICATION & PROJECT WORK

Month	Topic	No. of lectures	Faculty
July	UNIVERSITY EXAMINATION		
August	**IMPACT OF BRITISH RULE** De-industrialization, Commercialization of agriculture, Economic drain. **ASPECT OF BRITISH IMPERIAL POLICY** Land policy, Railways & irrigation, Policy of discriminating protection	10	AD
September	**BASICS OF COMPUTER APPLICATION IN ECO.** Operating systems, data entry Use of application software for solving statistical and quantitative problems in economics.	10	AB
October	PUJA VACATION		
November	**RESEARCH METHODOLOGY CONCEPTS**	10	AB
December	Project Selection, Data Collection and Analysis	20	AK, BD
January	SELECTION TEST EXAMINATION		
February	Project Completion and Report Writing		AK
March, April	STUDY LEAVE, UNIVERSITY EXAMINATION		