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Important Instructions

1. The two year (4 Semester) P.G. programmes is of 96 credit weightage i.e. 24 credits per semester ($24 \times 4 = 96$).
2. A candidate has compulsory to opt for 12 credits from the core component in each semester.
3. A candidate has a choice to opt for any 06 credits (2 papers) out of Discipline Centric Elective (DCE) courses offered for departments own students to broaden and expand his knowledge in discipline.
4. A candidate has compulsory to obtain a minimum 03 credits (01 papers) from Generic Elective (GE) from sister disciplines in each semester.
5. A candidate has to obtain a minimum of (03) credits from Open Elective (OE) from any department.
6. A candidate can earn more than the minimum required credits (i.e., more than 96 credits for four semester programme) which shall be counted towards the final result of the candidate.

Semester 1st

Course Code	Course Title	Paper Category	L	T	P	Credits
<u>ECO-15101-CR</u>	Microeconomics I	Core	4	0	0	4
<u>ECO-15102-CR</u>	Macroeconomics I	Core	4	0	0	4
<u>ECO-15103-CR</u>	Mathematics for Economics	Core	4	0	0	4
<u>ECO-15104-DCE</u>	Statistical Methods	DCE	3	0	0	3
<u>ECO-15105-DCE</u>	Financial Markets and Institutions	DCE	3	0	0	3
<u>ECO-15106-DCE</u>	Industrial Economics	DCE	3	0	0	3
<u>ECO-15107-GE</u>	General Economics	GE	2	1	0	3
<u>ECO-15108-GE</u>	Planning and Development	GE	2	1	0	3
<u>ECO-15109-OE</u>	Elementary Microeconomics	OE	2	1	0	3
<u>ECO-15110-OE</u>	Introductory Indian Economy	OE	2	1	0	3

Semester 2nd

Course Code	Course Title	Paper Category	L	T	P	Credits
<u>ECO-15201-CR</u>	Microeconomics II	Core	4	0	0	4
<u>ECO-15202-CR</u>	Macroeconomics II	Core	4	0	0	4
<u>ECO-15203-CR</u>	History of Economic Thought	Core	4	0	0	4
<u>ECO-15204-DCE</u>	Advanced Mathematics	DCE	3	0	0	3
<u>ECO-15205-DCE</u>	Basic Econometrics	DCE	3	0	0	3
<u>ECO-15206-DCE</u>	Monetary Economics	DCE	3	0	0	3
<u>ECO-15207-DCE</u>	Agricultural Economics	DCE	3	0	0	3
<u>ECO-15208-GE</u>	Indian Economy: Features and Analysis	GE	2	1	0	3
<u>ECO-15209-GE</u>	Human Development	GE	2	1	0	3
<u>ECO-15210-OE</u>	Elementary Macroeconomics	OE	2	1	0	3
<u>ECO-15211-OE</u>	Money and Banking	OE	2	1	0	3

Semester 3rd

Course Code	Course Title	Paper Category	L	T	P	Credits
ECO15301CR	Economics of Growth	Core	4	0	0	4
ECO15302CR	International Trade	Core	4	0	0	4
ECO15303CR	Indian Economy	Core	4	0	0	4
ECO15304DCE	Advanced Econometrics	DCE	3	0	0	3
ECO15305DCE	Indian Financial System	DCE	3	0	0	3
ECO15306DCE	Economics of Social Sector	DCE	3	0	0	3
ECO15307DCE	J & K Economy	DCE	3	0	0	3
ECO15308GE	Demography	GE	2	1	0	3
ECO15309GE	Rural Development	GE	2	1	0	3
ECO15310OE	Financial Markets	OE	2	1	0	3
ECO15311OE	Basic Issues in Development	OE	2	1	0	3

Semester 4th

Course Code	Course Title	Paper Category	L	T	P	Credits
ECO15401CR	Economics of Development	Core	4	0	0	4
ECO15402CR	Public Economics	Core	4	0	0	4
ECO15403CR	Environmental Economics	Core	4	0	0	4
ECO15404DCE	International Finance	DCE	3	0	0	3
ECO15405DCE	Issues in Indian Economy	DCE	3	0	0	3
ECO15406DCE	Labour Economics	DCE	3	0	0	3
ECO15407 DCE	Project Work	DCE	-	-	-	6
ECO15408GE	Islamic Economics	GE	2	1	0	3
ECO15409OE	Gender and Development	GE	2	1	0	3
ECO15410OE	Money and Finance in India	OE	2	1	0	3
ECO15411OE	Introductory Environmental Economics	OE	2	1	0	3

SEMESTER- I

Microeconomics I

Course code: ECO-15101-CR

Unit 1: Choice and Demand

Consumer Preferences – assumptions and examples; Marginal rate of substitution – other interpretations; Budget constraint – properties of a budget set, changes in a budget line; Utility –constructing a utility function, Marginal Utility and MRS, Indifference curves; Revealed preference – weak axiom; Demand – normal and inferior goods; the price offer curve and demand curve.

Unit 2: Uncertainty and Information

Contingent consumption; catastrophe bonds; utility functions and probabilities; Expected utility; Why expected utility is reasonable; Risk aversion; Risk spreading; Asymmetric information-Market for lemons; Market signalling. Principle- agent problems, Moral Hazard;

Unit 3: Theory of Production and Costs

Production function; Cobb-Douglas and CES; Returns to scale; Short run and long run costs and their relationship in traditional cost theory, Modern theory of cost; Expansion path; Economies of scale and scope; Learning curve;

Unit 4: Market Structure

Price and output under perfect competition- short run and long run equilibrium of a firm and industry; Constant, increasing and decreasing cost industries; Monopoly-short run and long run equilibrium; various forms of price discrimination; Price and output determination under monopolistic competition-short run and long run analysis

SEMESTER- I

Macroeconomics I

Course code: ECO-15102-CR

Unit 1: National Income and Social Accounting

National Product—Productive and non-productive activities, The components of final product, Equality and distribution of national income, GNP, Social accounting— concept and importance, The System of Accounts and economic theory, matrix presentation of social accounting.

Unit 2: Sectoral Demand Functions

Consumption function and income determination, Income-consumption relationship; life cycle-permanent income theory of consumption and saving; consumption under uncertainty—the modern approach, Consumption and stock markets—the Barrow-Ricardo problem, Investment demand—Neoclassical and Keynesian versions (MEC approach); Acceleration principle; Keynesian multiplier—static and dynamic.

Unit 3: Demand and Supply of Money

Classical approach to demand for money — Quantity theory approach, Fisher's equation, Cambridge quantity theory, Keynes's liquidity preference approach, Post-Keynesian approaches to demand for money — Baumol and Tobin. Supply of Money: Measures of money supply, High powered money and money multiplier;

Unit 4: Theory of Trade Cycle and Inflation

Anatomy of cycle, Indicators of cycle, Theories of trade cycle—Keynes, Hicks, Samuelson's and Kaldor's theory of trade cycle. Classical, Keynesian and Monetarist approaches to inflation.

SEMESTER- I

Mathematics for Economics

Course code: ECO-15103-CR

Unit 1: Basic Concepts

Set Theory: Sets and set operations, Cartesian product of sets, Relations, Functions, one-to-one and onto functions, bijective functions, Composite functions, Inverse functions and Binary operations. Logarithm and Exponents.

Unit 2: Differentiation

Limit, Continuity and Differentiability of a function, Differentiation—Rules of Differentiation, Partial and Total differentials, Derivatives of Implicit functions, Higher Order Differentiation, Euler's theorem; Uses of Differentiation in Economics, Constrained Optimization, Lagrangian Multiplier.

Unit 3: Integration

Integration: Concept and Fundamental Theorems, Indefinite and Definite Integrals, Economic Application of Integrals: Consumer's Surplus, Producer's Surplus, Investment and Capital formation.

Unit 4: Matrix Algebra

Matrices: Types and Operations, Determinants, Transpose, Adjoint and Inverse of a matrix, Rank of a matrix, Cramer's rule, Matrix inversion method, Jacobian and Hessian Rule.

SEMESTER- I

Statistical Methods

Course code: ECO-15104-DCE

Unit 1: Probability and Distribution

Meaning and definition of Probability, Probability Rules; Addition Rule; Multiplication Rule, Bay's theorem Concept of a random variable: Discrete and continuous; Mathematical Expectation , Expected values of a random variable, Variance of a random variable, Discrete random variables- Bernoulli , Binomial, Poisson, Continuous random variables: The normal distribution, Chi-square distribution. Joint and marginal distributions for bivariate random variables; Conditional probability, Conditional mean and variance.

Unit 2: Hypothesis Testing

Theory of sampling; Types of sampling, Small and large samples, Sampling distribution, Testing of hypothesis: Level of significance and Level of confidence, Confidence limits and Critical Region; Tests of significance- Type I and II errors, Goodness of fit, One tailed and two tailed tests; Hypothesis testing based on Z test, t tests, Chi-square and F tests; Analysis of variance.

Unit 3: Correlation, Regression and Economic Forecasting

Correlation—meaning and scope: Karl Pearson's Coefficient of Correlation; rank Correlation; Partial and Multiple Correlation, Regression-Meaning and Scope; Simple and Multiple Regression. Forecasting- Definition and Concept of Forecasting, Nature and decomposition of a time series-trend, Cyclical, Seasonal and Random components.

SEMESTER- I

Financial Institutions and Markets

Course code: ECO-15105-DCE

Unit 1: Nature and Role of Financial System

Financial System; Structure of Financial System; Financial System and economic development; Theories of the impact of Financial Development on Savings and Investment—Prior Saving Theory; Financial Regulation theory; Financial Liberalization theory; Indicators of Financial Development; Criteria to Evaluate Financial Sector.

Unit 2: Financial Markets

Classification of Financial Markets - Functions of Financial Markets; Instruments of developed money and capital markets; Characteristics of Financial Instruments; Concept of Financial derivatives; Markets for futures and options.

Unit 3: Financial Intermediaries and Central Bank

Financial Intermediation; Classification of Financial Intermediaries; Functions of Financial Institutions; Central Banking— Structure and Functions of Federal Reserve System and Reserve Bank of India; Monetary policy— Goals, Tools, Targets and Limitations; Monetary policy of RBI—Latest Revision

SEMESTER - I

Industrial Economics

Course code: ECO-15106-DCE

Unit 1: Firm's Behaviour

Meaning and scope of Industrial Economics; organizational pattern of firms— Private sector, Public sector, and Joint sector; Objectives of a firm; Industrial efficiency— meaning, determinants and its measurement; Profitability— concept and its measurement.

Unit 2: Theories of Industrial Location and Growth

Downie's theory of growth of firm; Industrial location analysis— determinants of Industrial location, Theories of Industrial location- Webers and Sergent theories Meanings and objectives of Diversification, Vertical Integration and Merger.

Unit 3: Investment Decisions and Industrial Financing

Nature and types of investment decisions, Methods of project evaluation— the payback method, The net present value method, Internal rate of return method; Industrial finance—need, types and sources of finance, Choice of funding.

SEMESTER - I

General Economics

Course code: ECO-15107-GE

Unit 1:Introduction

Definition and scope of Economics. Micro and Macro Economics - Meaning, Scope and Importance. Meaning of Demand and the Law of Demand. Demand function - Linear and Non-Linear demand function. The Law of Supply and Supply function. Elasticity of Demand and supply

Unit 2: Microeconomic Concepts

Utility, Indifference Curve, Consumer's Equilibrium with the help of Indifference Curve, Production function and Costs, Market structure-Perfect competition, Monopoly and Oligopoly.

Unit 3: Macroeconomic Concepts

National Income- Concepts and Measurements, Inflation- types, causes and consequences; Poverty and Unemployment-meaning, types, causes and consequences.

SEMESTER - I

Planning and Development

Course code: ECO-15108-GE

Unit 1: Economic Development

Concept and measurement of development; Distinction between economic growth and development; Characteristics of an under-developed economy; Development indices- GNP, PCI, PQLI, and HDI, Sustainable development.

Unit 2: Theories of Economic Development

Classical theory of economic development; Marxian theory; Schumpeter's theory; Nurkse theory of disguised unemployment; Rostow's stages of economic growth; Big-push theory

Unit 3: Economic Planning

Planning- Objectives, types and strategy; Current five year plan of India- objectives, allocation and targets, New economic reforms – liberalization, privatisation and globalization; Rationale behind economic reforms, NITI Aayog- role and functions.

SEMESTER- I

Elementary Microeconomics

Course code: ECO-15109-OE

Unit 1: Consumer Behaviour

Definition of Economics; Microeconomics and Macroeconomics; Basic elements of supply and demand- the demand curve, Market demand, The supply curve; Equilibrium of supply and demand; Elasticity of demand; Elasticity of supply; Marginal utility and the law of diminishing marginal utility; The indifference curve; Budget line; Consumer's equilibrium;

Unit 2: Production Theory

Theory of production- production function, Law of diminishing returns, Returns to scale, Short run and long run; Analysis of costs- various types of costs; Behaviour of a competitive firm; Short run and long run equilibrium.

Unit 3: Market Structure

Forms of market structure— Perfect and imperfect market; Perfect Competition, Monopoly, Monopolistic competition, duopoly and oligopoly— Concept and characteristics.

SEMESTER – I

Introductory Indian Economy

Course code: ECO-15110-OE

Unit 1: Introduction

General features of Indian Economy, Demographic features – population size and growth rates, Occupational distribution, Indian Population Policy, Economic Policy of India–Pre and Post Reforms;

Unit 2: Economic Planning in India

Economic Planning; History, Objectives, Types, Centralized and Decentralized planning- 73rd and 74th Amendments; Current Five Year Plan- Objectives and Targets.

Unit-3: Issues in Indian Economy

Poverty and Unemployment -concept, measurement, nature and extent. Economic Inequality – Concept, causes, measurement and extent.

SEMESTER – II

Microeconomics II

Course code: ECO-15201-CR

Unit 1: Oligopoly

Theory of games, zero-sum and non-zero sum games; Nash equilibrium; Mixed strategies; Oligopoly-Cournot, Bertrand and Stacklberg models; Cartels - Joint profit maximization and market sharing cartels; Price leadership - low cost price and dominant price leadership;

Unit 2: Managerial Theories of firm

Marginalism - attacks and defence; Average cost pricing- the mark up rule; Limit pricing- Bain's concept of entry and barriers to entry; Baumol's static and dynamic models of sales revenue maximization; Marris's model of managerial enterprise; Williamson's simplified model of managerial discretion;

Unit 3: Theory of Distribution

Neo-classical approach—Marginal productivity theory; Product exhaustion theorem; Elasticity of technical substitution and factor shares; Technical progress and income distribution; Theory of distribution in imperfect product and factor markets; Pricing of fixed factors of production.

Unit 4: Welfare, General Equilibrium and Social welfare

General equilibrium analysis—interdependent markets; Efficiency in exchange; Walrasian equilibrium, Walrasian law; Existence, Stability and uniqueness of equilibrium; Social welfare criteria—Pareto, Kaldor, Hicks and Bergson; Aggregation of preferences; Social welfare functions; Welfare maximization; Arrow's impossibility theorem.

SEMESTER-II

Macroeconomics-II

Course No: ECO-15202-CR

Unit-1: Neoclassical and Keynesian Models of Income Determination.

Keynesian IS-LM model; Neoclassical IS-LM model; Factors determining the slope and shifts in IS and LM functions; Comparative static analysis in Keynesian and Neoclassical models; Monetary and fiscal policies in Keynesian and Neoclassical models.

Unit-2: Unemployment and Labour Markets

The demand for labour (long run and the short run) and the supply of labour; Neoclassical labour market equilibrium; Frictional and structural unemployment; Keynesian unemployment and labour market – involuntary and full employment. Friedman's theory of natural rate of unemployment and output; Short run and long run Philips curve – Monetarist and Keynesian versions.

Unit-3: Three Sector Macro Models

Aggregate demand and aggregate supply; Neoclassical three sector model; Keynesian three sector model; Mundell – Fleming model; Relative effectiveness of monetary and fiscal policies under imperfect and perfect capital mobility

Unit- 4: Recent Developments in Macroeconomic Theory

Monetarism – central propositions; Reformulation of quantity theory of money; New Classical Economics – theory of Rational Expectations; New Keynesian Economics – central propositions; Sticky price, Efficiency Wage and Insider – outsider models.

SEMESTER- II

History of Economic Thought

Course No: ECO-15203-CR

Unit 1: Introduction and Classical Economic thought

Economic thought— importance of studying Economic thought; Mercantilism –doctrine of balance of trade; Physiocracy –net product and Qusnay’s Tableau of Economique Classical Thought—Adam Smith— general philosophy; Doctrine of Laissez Faire; David Ricardo— Theory of Value; Theory of Distribution; Malthus— theory of population, Theory of Gluts.

Unit 2: Socialist Thought: Before and After Marx

Rise of socialism; State Socialism— Contributions of Karl Rodbertus and Ferdinand Lassalle; International Revolutionary Socialism—Karl Marx and Engels; Marx’s Theory of Crisis and Surplus Value; Neo-Marxian Reformists; Syndicalism—Contribution of Syndicalists; The Influence of Socialists.

Unit 3: Marginalism and Neo-Classical School of Thought

Rise of Marginalism—S.W Jevons— Philosophy; Theory of Marginal Utility and Exchange; Karl Menger— Philosophy; Arguments on Methodology; Alfred Marshall— Scope of Political Economy; Philosophy and Method; J M Keynes - General Characteristics of his System of Economic Thought.

Unit 4: Indian Economic Thought and Islamic Economics

Emergence of Modern Indian Economic Thought; Economic Ideas of— V. K. R. V. Rao; D. R. Gadgil; Dadabhai Naroji; Gandhian Economic Thought and its Relevance in 21st Century; Sources of Islamic economics: the Holy Quran and the Hadith Islamic Banking –main features.

SEMESTER- II

Advanced Mathematics

Course code: ECO-15204-DCE

Unit 1: Differential and Difference Equations

Differential Equation—Definition and Concept, General Formula for First Order Linear Equation, Second order differential equations: Stability conditions, Applications; Difference Equation—Definition and Concept, First Order Difference Linear Equation, Lagged Income Determination Model; Cobweb Theorem; Second order difference equations: Samuelson trade cycle model.

Unit 2: Linear Programming and Input-output Analysis

Linear programming — Primal and dual problem, Simplex method; transport and storage problems and other applications of linear programming in economics; Input-output analysis — Open and closed systems, Hawkins-Simon conditions; Leontief's dynamic system; Testing consistency of planning models.

Unit 3: Game Theory

Concept of game – two person zero-sum game, Pay-off matrix, pure and mixed strategies, Maximin and Minimax solutions, Saddle point solution; Prisoner's dilemma.

SEMESTER- II

Basic Econometrics

Course code: ECO-15205-DCE

Unit 1: Basic Regression Analysis

Nature, meaning and scope of Econometrics, Data Issues; time series, cross section and panel data, Simple and general linear regression model; Assumptions, Estimation (through OLS approach) and properties of estimators, Gauss-Markov theorem, Concepts and derivation of R^2 and adjusted R^2 , Interval estimation and Hypotheses testing, Tests of significance and confidence interval approach.

Unit 2: Problems in Regression Analysis

Nature, test, consequences and remedial steps of problems of Heteroscedasticity, Multicollinearity and Auto-correlation, Problems of specification error, Errors of measurement.

Unit 3: Qualitative Variables in Regression

Dummy variable technique — Testing structural stability of regression models, interaction effects, seasonal analysis, piecewise linear regression, use of dummy variables. Regression with dummy dependent variables; The Linear Probability Model, Logit and Probit models.

SEMESTER- II

Monetary Economics

Course code: ECO-15206-DCE

Unit 1: Nature and Role of Money

Money and near money; Significance of near money; Classical and Modern Economists views on Money; Value of money- measurement of value of money; Construction of Price Index Numbers; Difficulties in measuring the changes in value of Money.

Unit 2: Theories of Money and Income

Theory of demand for money- Classical and Keynes; Money supply- Approaches to the definition of money supply; components of money supply; The H theory of money supply; Money multiplier process; Determinants of money multiplier; Keynes' income theory of money; Neo-classical theory of money.

Unit 3: Theories of Interest Rates

Theories of interest rate-Classical, Loanable funds, Liquidity Preference and Neo-Keynesian theory; Term structure and risk structure of interest rates; Theories of term structure of interest rates- Expectations theory, Market segmentation theory, preferred habitat theory.

SEMESTER- II

Agricultural Economics

Course code: ECO-15207-DCE

Unit 1: Agricultural Development

Nature and scope of agricultural economics; Factors affecting agricultural development— technological, institutional and general; Interdependence between agriculture and industry; terms of trade between agriculture and industry, Approaches to agricultural development— Lewis, Ranis-Fei, Mellor and Schultz.

Unit 2: Agricultural Production and Productivity

Agricultural production – Resource and efficiency in traditional agriculture; Production function analysis in agriculture; Factor combination and resource substitution, Cost and supply curves; The Economies of Size and Farm Budgets; Technical change and agricultural productivity; sustainable agriculture.

Unit 3: Agriculture Marketing

Agriculture Marketing –Definition, Scope, Concept and Objectives, Constraints in Agricultural marketing, Agribusiness –Emerging Branches- Non Conventional forms of Agribusiness – Export potential for farm products -Supporting Services, SCM in agribusiness, Futures trading.

SEMESTER- II

Indian Economy: Features and Analysis

Course code: ECO-15208-GE

Unit 1: Indian Economy—An Introduction:

The background—main features, geographic size; Endowment of natural resources—land, water, forest and energy with emphasis on recent policies in these areas.

Unit 2: Indian Demography:

Population—size, composition, quality and growth trends; Occupational distribution and rural urban migration; Population policy—need and present status.

Unit 3: National Income and Planning

National income and per-capita income—sectoral and regional distribution; CSO estimates of National Income – old vs new methodology, GDP growth; Concept and evolution of Planning in India.

SEMESTER- II

Human Development

Course code: ECO-15209-GE

Unit 1: Human Development: Conceptual Framework

Background and Concept of Human Development, Dimensions and attributes of Human Development, Concepts of Sustainability, Empowerment, Equity, Productivity and Accountability.

Unit 2: Measurement of Human Development

Measuring Human Development— different approaches, Gender Development Index (GDI), Difficulties in measurements.

Unit 3: Human Development in India

Human Development indicators in India, Human Development and Economic Growth, Human Development India— an inter-state comparison

SEMESTER- II

Elementary Macroeconomics

Course code: ECO-15210-OE

Unit 1: Macroeconomics

Nature scope and subject matter of Macroeconomics, National Income- concept and measurements, Classical Macroeconomic Theory-Say's Law of Market, Principles of effective Demand, consumption and saving functions, psychological law of consumption.

Unit 2: Macroeconomic Theories

Classical views on full employment, Quantity theory of money. Determination of output and employment. Classical theory of interest rate. Keynes' criticism of classical macroeconomic theory. Concept of aggregate supply and aggregate demand. Determination of equilibrium level of income. Theories of consumption function- Absolute and Relative income hypotheses. Liquidity preference

Unit 3: Inflation and business cycle

Business cycle- features, phases, causes and consequences, stabilisation policies, fiscal policy and direct controls, Inflation: Meaning and types, Demand pull and cost push inflation, cause and effects of inflation.

SEMESTER- II

Money and Banking

Course code: ECO-15211-OE

Unit 1: Money in Economics

Money–different approaches to the definition of Money, Kinds and Functions of Money; Significance of Money; Money in Modern Economics; Circular flow of money

Unit 2: Commercial Banking

Commercial Banks –functions; Special Role of Banks, Balance Sheet, Liability Asset Management, Banking Innovation, Credit Creation, Profitability and Efficiency of Banks.

Unit 3: Central Banking

Central Bank – Origin, Role and Function; Methods of Credit Control; RBI – Organisation and Management, Role and Function, Monetary Policy of RBI –Current.

SEMESTER-III

Economics of Growth

Course No: ECO-15301-CR

Unit 1: Economic Growth

Growth and development-comparison. Factors affecting growth-capital, labor and technology. Technical progress-Hicks and Harrod. Production function approach to the analysis of growth. Accounting for sources of growth.

Unit 2: Basic Growth Models

Harrod and Domar models. Neoclassical growth models of Solow and Meade. Cambridge growth model of Mrs. Joan Robinson and Cambridge criticism of Neoclassical growth theory.

Unit 3: Endogenous Growth Theory

Contribution of education to growth- Denison's and production function approach. Technology creation through R&D spending. Modeling relationship between technology creation and growth. Endogenous growth models- AK model and Romer model.

Unit 4: Growth Theory : International Aspects

Trade as an engine of growth.. Models of regional growth and differences- Prebisch and Seers, Dependency theory and unequal exchange. Models of export-led growth;Neoclassical supply side model, balance of payments constrained growth model, virtuous circle model.

SEMESTER-III

International Trade

Course code: ECO-15302-CR

Unit 1: Theories of International Trade

Classical theories of International trade— brief review; Theory of Reciprocal demand; Heckscher-Ohlin theory; Factor price equalization theorem; Empirical verifications of Heckscher-Ohlin theory— Leontief paradox; Factor intensity reversal,

Unit 2: Alternative Theories of International Trade

International trade under imperfect competitions— monopolistic competition and trade; Concepts and measurement of intra industry trade; Strategic trade theories; Technological gap model; Product cycle model; Economies of scale and international trade.

Unit 3: Theories of Protection and Economic Integration

Tariff—general equilibrium effects analysis; Optimum tariff; Effective rate of Protection; Stolper-Samuelson theorem, Regional economic integration— types, Theory of customs union—trade creation and trade diversion;

Unit 4: Growth Effects and Problems of Developing Countries

Effects of growth on trade; Rybczynski Theorem; Immiserizing growth; Trade problems of developing country; International cartels; Theory of Dumping; Outward and inward trade strategy;

SEMESTER-III

Indian Economy

Course No: ECO-15303-CR

Unit 1: Economic Development since Independence

Major features of the economy at independence; growth and development under different policy regimes—goals, constraints, institutions and policy framework; an assessment of performance—sustainability and regional contrasts; structural change, savings and investment.

Unit 2: Population and Human Development

Demographic trends and issues; Migration and Urbanization – concept, extent and issues, education- status and policy interventions, health and malnutrition – extent, issues and policy response.

Unit 3: Growth and Distribution

Concept of Poverty – absolute and relative –temporary and chronic –measures of poverty– functional impact of poverty, Trends and policies in poverty; inequality and unemployment –extent, incidence and trends, Public policies of employment generation.

Unit 4: Growth dynamics and Macroeconomic Policies

Planning for economic development: Changing contours of state & market in India
Indian economic growth, distribution and structural change: Comparative historical perspective. Fiscal Policy, Trade and investment policy; Financial and monetary policies; labour regulation.

SEMESTER-III

Advanced Econometrics

Course No: ECO-15304-DCE

Unit 1: Dynamic Econometric Models and Panel Data Models

Autoregressive and distributed lag models- Koyak model, Partial adjustment model, adaptive expectations, Almon approach to distributed-lag models, Panel data- Introduction; Balanced and unbalanced panel; Pooled Model, Fixed effects model and Random effect model.

Unit 2: Simultaneous Equations Models

Simultaneous equation models; Introduction and examples; The simultaneous equation bias and inconsistency of OLS estimators; The identification problem; Rules of identification- order and rank conditions; Methods of estimating simultaneous equation system.

Unit 3: Time Series Analysis

Stochastic Difference equations, Stationarity, unit roots, co-integration-spurious regression, Dickey-Fuller test, Engle-Granger test, Random walk model, Error correction mechanism, Casualty test, Granger and Sim's tests. Forecasting with ARIMA modeling; Box-Jenkins methodology; Vector autoregression; Problems with VAR modelling – Applications

SEMESTER-III

Indian Financial System

Course No: ECO-15305-DCE

Unit 1: Nature and Role of Financial System.

Indian Financial System-an overview; Trends and composition of Savings since 1991; Financial Sector Reforms-Impact of Reforms on Banking Sector of India; Monetary policy of RBI –Goals, Tools, Targets and limitations.

Unit II: Financial Markets

Structure and Features of Indian Financial Markets; Money Market -Features Instruments and Limitations; Capital Markets –Nature and Constituents; Capital Markets Reforms in India.

Unit III: Stock Exchange and its Regulations.

Stock Exchange-Importance and Functions; Dealings on Stock Exchange; Organization and working of Stock Exchange in India--OTCEI, National Stock Exchange; Bombay Stock Exchange; Stock Exchange Regulations- SEBI--Working and Functions.

SEMESTER-III

Economics of Social Sector

Course No: ECO-15306-DCE

UNIT 1: Introduction to Social Sector

Social sector—theoretical paradigm: approaches and definition; Theories of social sector: social exclusion and inclusion; Social Development Index, Human Capital—the concept, components, Human capital versus physical capital; human capital and human development

Unit 2: Economics of Education

Meaning and scope of economics of Education; Education as consumption and Investment goods; Cost of Education— Expenditure on education, private costs and social Costs; direct and indirect costs; Benefits of Education— direct and indirect benefits; Private costs and social benefits.

Unit 3: Economics of Health

Meaning and Scope of Economics of Health; concept of health and health care; Health as consumption and Investment good; Role of health in economic development; health as human capital; Economic dimension of health care— demand and supply of health care, Government intervention in health care markets—economic rationale and forms.

SEMESTER-III

J & K Economy

Course No: ECO-15307-DCE

UNIT1: Introduction

Main Features of Jammu & Kashmir Economy; Political Economy of development in Jammu & Kashmir -1944 New Kashmir Manifesto; Land Reforms (1950 and 1976). Decentralized Economy.

UNIT 2: Jammu & Kashmir –Macro Economic Scenario

Behaviour of SGDP and Per Capita SGDP since 1950, Sectoral Composition of SGDP: Inter Temporal Changes and their Implications. Poverty, Inequality and unemployment in the State- Magnitude and Dimensions; Educated Employment: A study of Education - Employment linkages.

Unit 3: Agriculture Industry and Trade

Agriculture and Horticulture Sectors in J&K: Development and Potential; Forests in J&K– Problems, Prospects and Developmental Initiatives. Industrial Sector in the State - Scope, Issues and Policies. Appraisal of PSU's in Jammu and Kashmir. Role of Private sector in the Industrial Sector Tourism: Tourism in Jammu, Kashmir and Ladakh regions: In-flow, Revenue, and Developmental Initiatives; Cross LOC trade.

SEMESTER-III

Demography

Course No: ECO-15308-GE

Unit 1: Meaning Scope and Sources of Data

Meaning scope and subject matter of demography; Sources of demographic data—Census, vital registration, sample surveys; Theories of population growth—Malthusian; Demographic transition, Optimum Theory; Population projections; Stable and stationary populations.

Unit 2: Population Growth and Structures

Population growth since 20th Century—levels and trends; Population and economic development; Population and environment; Age structure—measures, patterns, implications; Age pyramid; Population aging; Sex ratio—measures, patterns, determinants

Unit 3: Components of Population Growth

Fertility—basic measures—TFR, GRR, NRR; Levels, trends and determinants; Mortality—basis measures—IMR, MMR—levels, trends and determinants; Life Tables—construction and Uses; Migration—measures, types, causes and consequences.

SEMESTER-III

Rural Development

Course No: ECO-15309-GE

Unit 1: Rural Development- Concept and Scope

Rural Development: An overview, Importance, Scope & Objectives, Traditional and Modern concept of development: Indicators of development, Role of agriculture in rural development.

Unit 2: Rural Credit and development

Characteristics and sources of rural credit: Institutional and non-institutional, Reorganization of rural credit: cooperative societies, commercial banks, regional rural banks; NABARD. Rural Development Programmes in India, Rural Employment Guarantee Programmes.

Unit 3: Rural India- Basic Needs

Rural Housing Schemes, Rural Health –NRHM and JSY. Rural Education –SSA, MDMS, RAMSA, Rural sanitation Schemes, Rural Roads –PMGSY. (Broad features and implementation).

SEMESTER-III

Financial Markets

Course No: ECO-15310-OE

Unit1: Introduction and Concepts

Structure and Classification of Financial Markets; Instruments of Money and Capital Markets; Industrial Security Markets –debt and equity market –Industrial Securities, New issues Market.

Unit2: Stock Exchange Markets

Stock market –types, stock indices, New York Stock Exchange Market –Features; Broad Features of Indian stock markets, -NSE, BSE; Money market mutual funds –USA and India, SEBI –Role and Functions.

Unit 3: Financial Services

Classification of financial services –Merchant banking, Underwriting, Credit Rating, Venture Capital and Factoring; financial instruments –debentures, shares, ADRs and GDRs; Characteristics of Financial instruments.

SEMESTER-III

Basic Issues in Economic Development

Course No: ECO-15311-OE

Unit 1: Development and Underdevelopment

Economic Development- Meaning and approaches, Development Gap- Concept and Dimensions, Characteristics of Underdeveloped Countries, Perpetuation of Underdevelopment, Characteristics of Modern Economic Growth, Concept of Structural Change and sustainable Development, Millennium Development Goals.

Unit 2: Human Development

Human Development- Meaning and components, Construction of Human Development Index and Physical Quality of life index, Gender Development Index, Links Between Economic Growth and Human Development.

Unit 3: Inequality, Poverty and Unemployment

Measurement of Income Inequality- Lorenz Curve and Gini-coefficient, Concept and Measures of Poverty- Poverty Line, Head Count Index, Poverty Gap, Human Poverty Index, Multidimensional Poverty Index, Concept and Types of Unemployment- Voluntary, Involuntary, Frictional, Structural, Cyclical, Disguised and Natural Rate of Unemployment.

SEMESTER-IV

Economics of Development

Course No: ECO-15401-CR

Unit 1: Poverty, Inequality and Development

Concept and measures of poverty. Chennery-Ahluwalia Welfare Index, construction of poverty weighted Index of social welfare. Measurement of income inequality-Lorenz curve, properties of a desirable inequality measure. Goulet's and A.K. Sen's concept of development-capabilities approach. Concept and assessment of Development Gap.

Unit 2: Theories of Development

Myrdal's theory of circular and cumulative causation. The new economic geography-Krugman's theory. Lewis' model of unlimited supply of labor. Organizational dualism and economic development (HlaMynt) – stylized framework of a developed organized and underdeveloped unorganized economy. Kremer's O-Ring theory of economic development.

Unit 3: Sectoral Aspects of Development

Importance of industry and agriculture in economic development – the model of complementarities between industry and agriculture. Structure of labor markets in developing countries. Theory of Rural-Urban migration and Harris- Todaro model. Choice of techniques and appropriate technology. Choice of techniques and conflict in objectives.

Unit 4: Social Aspects of Development

Role of education and health in economic development. Investing in education and health- the human capital approach. Educational supply and demand – relationships between employment opportunities and education demand. Social versus private costs and benefits of education. Analysis of demand and supply of health services and factors determining demand and supply of health services.

SEMESTER- IV

Public Economics

Course No: ECO-15402-CR

Unit 1: Fundamentals of Public Economics

Public Economics: definition, scope and schools of thought, Tools of Budget Analysis; Role of government– allocation, distribution and stabilization; Externality theory, Internalising an externality, Coase theorem.

Unit 2: Public Goods

Optimal provision of Private and Public goods, Free Riders Problem, Cost Benefit analysis, Problems of allocating resources-preference revelation and aggregation, Political Economy: Lindahl Pricing, Mechanisms for aggregating Individual preferences: Arrow's Impossibility Theorem, Politico-eco-bureaucracy, Optimal Fiscal federalism and The Tibeout model.

Unit 3: Public Expenditure and Taxation

Public expenditure - Wagner's and Wiseman-Peacock hypothesis, Pure theory of public expenditure, Reforms in public expenditure- programme budgeting and zero-base budgeting, Taxation and types, measuring fairness of tax systems, Taxation and economic efficiency, Dead-weight loss, Theory of Optimal Taxation.

Unit 4: Fiscal Federalism in India

Concept and evolution of Fiscal Federalism; Centre-State financial relations, Sources of Revenue; Trends in Resource Transfer from Centre to State, Principles of Multi Unit Finance, Budget Deficit and Its Implications.

SEMESTER- IV

Environmental Economics

Course No: ECO-15403-CR

Unit 1: Fundamentals of Environmental Economics

Environmental Economics— meaning, scope and rationale; Environment and the human economy—inter-linkages and trade-off; Market failure and environmental degradation— public goods, externalities and Common Property Resource; Sustainability— concept and indicators.

Unit 2: Measurement of Environmental Values

Meaning and types of environmental value; Valuation of benefits—Methodological issue; Hedonic pricing approach, Travel cost approach, Contingent valuation technique.

Unit 3: Economics of Environmental Regulation

Rationale for regulation, Coasian approach, Pigovian taxes, Command and control methods, Economic incentives—Effluent and emission taxes, Tradable pollution permits; liability laws.

Unit 4: International Environmental Issues

International environmental externalities, Trans-boundary pollution, Global environmental challenges, Trade, development and climate change, International response to climate change, Carbon trading and Kyoto Protocol.

SEMESTER- IV

International Finance

Course No: ECO-15404-DCE

Unit 1: Foreign Exchange Markets

Structure and functions of foreign exchange markets, Exchange rate determination, foreign exchange transactions, forward exchange market; hedging, speculation and arbitrage, Theories of Exchange rate determination—purchasing power parity theory, asset market approach.

Unit 2: BOP Adjustments Mechanism

Balance of Payments— various accounts, surpluses and deficits, the process of adjustment under flexible and fixed exchange rate system—price and income adjustments, Monetary approach to balance of payments, Devaluation—elasticity and absorption approaches.

Unit 3: International Monetary System and Currency Crisis

Types of International monetary system, Evolution, operation and collapse of Bretton Woods system, Fixed and flexible exchange rate system, Currency crisis—concept and characteristics, First, second and third generation models of currency crisis.

SEMESTER- IV

Issues in Indian economy

Course No: ECO-15405-DCE

Unit 1: Agriculture

Agricultural policy-costs and prices; Agricultural prices and PDS; Impact of public expenditure on agricultural growth; Agricultural taxation—a debate; Sustainability of agriculture and food security in India. Land Acquisition.

Unit 2: Industry and trade

Structure and composition of Industry – issues of concentration, large vs small industry – industrial location. Small scale reservation policy. Trends and patterns of industrial growth. Foreign trade regime, protection and foreign competition, Productivity; import substitution versus export, Competitiveness, effect on export competitiveness.

Unit 3: General Issues—Dimensions and Categories

Poverty and exclusion, NREGA, social security for unorganized sector. Unemployment—types, causes and consequences; Population pressure—economic effects; Inequality—extent, consequences and remedies; Regional imbalance—extent, consequences and remedies; Parallel economy in India—causes and consequences.

SEMESTER - IV

Labour Economics

Course code: Eco -15406-DCE

Unit 1: Labour Market and Employment

Nature and characteristics of labour market; The classical, New-classical and dual economy labour markets, Demand for labour relating to size and pattern of investment and choice of technology; Supply of labour in relation to growth of labour force; Employment and development relationship.

Unit 2: Wage Determination – Theory and Practice

Classical, Neo-classical and Bargaining theory; Various concepts of wages—minimum wages; living wages and fair wages; Problem of implementation of minimum wages; Wage determination in urban and rural sector - organized and unorganized; Wage and non-wage components and labour remuneration.

Unit 3: Industrial Relations and Trade Unions

Growth of industrialization and emergence of unionism; Theories of labour movement—The Marxian View, Theory of industrial Democracy by Sidney and Beatrice Webb, Growth, structure and pattern of trade unionism in India; Achievements of trade union movement in India; Determinants of industrial disputes.

SEMESTER- IV**Project Work****Course code: Eco-15407-DCE****Credit: 06**

Work shall be discipline centric to be carried out under the supervision of concerned teacher of the department. The Project work shall be submitted in the form of a typed dissertation limited to hundred pages and shall be evaluated by one internal and one external examiner followed by presentation of work and viva voce. Sixty percent marks will be allotted for dissertation and forty percent for presentation and viva voce.

SEMESTER- IV

Islamic Economics

Course code: ECO-15408-GE

Unit I: Introduction

Islamic Economics- concept, Nature, Need and Importance, Islamic economic versus other Economic Systems, Sources of Islamic economics: the Holy Quran and the Hadith

Unit II: Islamic Banking

Definition of Interest, Riba (Interest) in the period of Ignorance, Definition of Riba in Islam, Moral, Social and Economic Importance of Prohibition of Interest, Functions of Interest-Free Banking, Need for Interest-Free Banking, Models of Interest-Free Banking.

Unit III: Distribution and Taxation in Islamic Economy

Meaning, Quranic Emphasis on the Circulation of Wealth, Rent, Profit, Wages, Dignity of Labour, Measures to Stop Concentration of Wealth: Legal Measures, Optional Measures, Islamic Law of Inheritance, Islamic State and its Fiscal Policy, Zakat as an Instrument of Fiscal Policy, Theory of Taxation in Islam.

SEMESTER- IV

Gender and Development

Course code: ECO-15409-GE

Unit 1: Women and Labour Markets

Concept of women's work; Valuation of productive and non productive work; Visible and invisible work; paid and unpaid work economically productive and socially productive work; Gender sensitive national Income estimation; Women in labour market; Factors affecting female entry in labour market; Gender and wage differentials.

Unit 2: Women, Work and Decision Making

Female work- participation rate and their Economic status in developing countries; Impact of technological development and modernization on women's work participation in various sectors; Factors affecting decision making by women; Property rights, access to and control over economic resources, Assets power of decision making at household and community level.

Unit 3: Gender Development Policy in India

Mainstreaming gender into development policies; Gender sensitive governance; Paradigm shifts from women's well being to women's empowerment; Democratic decentralization (Panchayats) and women's empowerment in India; National commission of women; Committee on the Elimination of discrimination Against Women (CEDAW); National policy for the empowerment of women (2001); Introduction to gender budgeting. .

SEMESTER-IV

Money and Finance in India

Course No: ECO-15410-OE

Unit 1: Banking in India

Commercial banks-Growth and regional distribution; Banking legislation-1949; Nationalization of commercial banks; Co-operative banks- Growth, Structure and Functions; Regional Rural Banks- Role and functions; NABARD, IDBI –structure, working and role.

Unit 2: Monetary Policy and NBFIs

Monetary policy, Post reform monetary policy of India; Non-bank financial and investment institutions- Insurance companies; Small savings; Pension and Provident funds; UTI and Mutual funds- Working and functions.

Unit 3: Indian Public Finance

Union finance- Central sources of income; Trends in revenue and expenditure; State finance- Sources of state revenue, Expenditure of state governments; Public debt since 1951; Types of Budget.

SEMESTER- IV

Introductory Environment Economics

Course No: ECO-15411-OE

Unit 1: Introduction

Definition and scope of environmental economics; Environmental economics versus traditional economics; Environment and the economy; Environment and economic growth: The environmental Kuznets curve; Sustainable development; Main characteristics of environmental goods;

Unit 2: Economics of Natural Resources

Natural resources - role and importance; Law of thermodynamics, Law of Entropy and Material balance - resources and waste generation, Resource taxonomy; Renewable versus non-renewable resources, Power resources- hydro-power, solar and nuclear energy,

Unit 3: The State of Environmental Degradation

Air pollution, Water Pollution, Deforestation, loss of Biodiversity; Acid rain, Global warming and Ozone layer depletion—causes and consequences, International action on global climate change— Earth summit, Kyoto protocol.

REFERENCES

SEMESTER- I

Microeconomics I

Course code: ECO-15101-CR

1. Hal R Varian (2010) 8thed: Intermediate Microeconomics – A Modern Approach, EWP and WW Norton and Co, Inc, New York.
2. R.S. Pindyck, D. Rubinfeld and P.L.Mehta (2012) 7thed; Microeconomics, Pearson Education, South Asia.
3. Nicholson (1992) 5th ed; Microeconomics Theory: Basic Principals and Extensions, The Driden Press, USA.
4. P. Layard and A.W. Walters (1978); Microeconomics Theory, McGraw Hill, New York.
5. W.J. Baumol (1982); Economic Theory and Operational Analysis, Prentice Hall of India
6. D Salvatore, (2010) 8th ed; Macroeconomics; Theory and Applications, Oxford University Press, New Delhi. ; Modern
7. Koutsoyiannis (1979) 2nd Ed Microeconomics, Macmillan Press, London Walter

SEMESTER- I

Macroeconomics I

Course code: ECO-15102-CR

1. Levacic Rosalind and Alexander Rebman (2nd Edition, 1982) “Macroeconomics – An Introduction to Keynesian – Neoclassical Controversies. Macmillan Press Ltd. London.
2. Carlin Wendy and David Soskice (1st Edition, 2007) “Macroeconomics – Imperfections, Institutions and Policies” Oxford University Press, New York.
3. Froyen Richard (7th Edition, 2005) “Macroeconomics” Pearson Education, Delhi.
4. Dornbush, Fischer, Stratz (9th Edition, 2004) “Macroeconomics” Tata McGraw-Hill. New- Delhi

SEMESTER- I

Mathematics for Economics

Course code: ECO-15103-CR

1. R. G. D Allen, (2003); Mathematical Analysis for Economists, The Macmillan Press, New Delhi.
2. A.C Chiang, (1984); Fundamental Methods of Mathematical Economics, Tata McGraw Hill,
3. D. T. Edward, (2008); Introduction to Mathematical Economics, Tata McGraw Hill, Delhi.
4. M. J. Henderson, (2006); Microeconomics Theory, Tata McGraw- Hill, New Delhi.
5. T. Yamane, (1995); Mathematics for Economists, Prentice Hall of India, New Delhi.
6. J. W. Boumal, (2000); Economic Theory and Operation Analysis, Prentice Hall of India, Delhi
7. S. C. Gupta and V. K. Kapoor; Fundamentals of Mathematical Statistics, Himalaya publishing House, New Delhi.

SEMESTER- I

Statistical Methods

Course code: ECO-15104-DCE

1. J. E. Freund (1999) 5thed; Mathematical Statistics, Prentice-Hall International.
2. R.V. Hogg and A.T. Craig Hogg, (1970) 3rded; Introduction to Mathematical Statistics, Macmillan Publishing Co., New York.
3. J. A. Rice (1995) 2nded; Mathematical Statistics and Data Analysis, Duxbury Press.
4. R.V. Hogg and E.A. Tanis, (1993) 4thed; Probability and Statistical Inference, Macmillan Publishing Company, New York.
5. S. C. Gupta (1993), Fundamentals of Applied Statistics, S. Chand & Sons, New Delhi.
6. G. M. Clarke and D. Cooke (1992) 3rded; A Basic Course in Statistics, Arnold Publishing House.
7. Y. Chou, (1975); Statistical Analysis, Holt, Reinhart and Winston, New York.
8. Croxton, Crowden and Klein, (1971); Applied General Statistics, Prentice Hall of India, New Delhi.

SEMESTER- I

Financial Markets and Institutions

Course code: ECO-15105-DCE

1. L. M Bhole (2002); Financial Institutions and Markets, Tata McGraw Hill, New Delhi.
2. F. Mishkin (2003); The Economics of Money: Banking and Financial Markets, Addison Wesley Longmate, New York.
3. S. B. Gupta, (2001); Monetary Economics, S. Chand and Co. Ltd, New Delhi.
4. G. R. Hubbard, (1997); Money, the Financial System and Economy, Addison Wesley, New York.
5. R. I. Robinson, (1981); Financial Markets, McGraw Hill, London.
6. P. F. Smith, (1978); Money and Financial Intermediation: the Theory and Structure of Financial System, Prentice Hall, New Jersey.
7. L. V. Chandler and S. M. Goldfeld, (1977); The Economics of Money and Banking, Harper & Row, N. York.
8. F. Mishkin, (2007); Monetary Policy Strategy, Prentice Hall of India, New Delhi.

SEMESTER - I

Industrial Economics

Course code: ECO-15106-DCE

1. R.R Barthwal, (2000); Industrial Economics, New Age International. New Delhi.
2. Hay. D.D and D.I. Morries (1979); Industrial Economics theory and Evidence, Oxford Press.
3. Paul R. Ferguson, & G. J. Ferguson (1994) Industrial Economics: Issues and perspectives, palgarave Macmillan, n. York.
4. K. Lee and E.I Nexon, (1984); Industrial Structure and policy in less development countries.
5. Paul R. Ferguson, H. Dodge, Anselm Haverkamp (1994) Industrial Economics: Issues and Perspectives 2nd Edition, New York University Press
6. Stephen Martin, (2001) Advanced Industrial Economics, 2nd Edition, John Wiley & Sons

SEMESTER - I

General Economics

Course code: ECO-15107-GE

1. Samuelson and Nordhaus (2014), Economics. Tata McGraw Hill.
2. Koutsoyiannis, A. (1990), Modern microeconomics, Macmillan, London

SEMESTER - I

Planning and Development

Course code: ECO-15108-GE

1. A.P. Thirlwal (2005), Growth and Development, Macmillan Press Ltd., U.K.
2. Todaro & Smith (2005), Economic Development, Longman, London.
3. M.L. Jhingan (2013), The Economics of Development and Planning, Vrinda Publications, New Delhi.
4. Datt & Sundharam (Revised Edition) Indian Economy, S Chand
5. Misra and Puri (Revised Edition) Indian Economy-Its Development Experience, Himalaya Publishing House Pvt. Ltd.

SEMESTER- I

Elementary Microeconomics

Course code: ECO-15109-OE

1. D.N. Dwivedi (2007), Microeconomics, Tata McGraw Hill, New Delhi.
2. H.L.Ahuja (2007), Advanced Economic Theory— Microeconomic Analysis, S. Chand & Company, New Delhi.

SEMESTER – I

Introductory Indian Economy

Course code: ECO-15110-OE

1. Datt, R. and K.P.M. Sundharam, (2001), Indian Economy, Chand & Company Ltd., New Delhi.
2. Misra, S.K and V.K Puri (2001), Indian Economy - its Development Experience, Himalaya Publishing House, Mumbai.
3. Government Of India, Economic Survey (Annual), Economic Division, Ministry of Finance, New Delhi.
4. Naoroji, D. (1962), Poverty and Un - British Rule in India, Low Price Publications, Delhi.
5. Singh, Y.B. (Ed.) (1965), Economic History of India, 1857- 1965, Allied Publishers Private Limited, Bombay.

SEMESTER – II

Microeconomics II

Course code: ECO-15201-CR

1. Hal R Varian (2010) 8thed: Intermediate MicroEconomics – A Modern Approach, EWP and WW Norton and Co, Inc, New York.
2. R.S. Pindyck, D. Rubinfeld and P.L.Mehta (2012) 7thed; MicroEconomics, Pearson Education, South Asia.

3. Nicholson (1992) 5th ed; MicroEconomic Theory: Basic Principals and Extensions, The Driden Press, USA.
4. P. Layard and A.W. Walters (1978); MicroEconomic Theory, McGraw Hill, New York.
5. W.J. Baumol (1982); Economic Theory and Operational Analysis, Prentice Hall of India
6. D Salvatore, (2010) 8th ed; MicroEconomics; Theory and Applications, Oxford University Press, New Delhi. ;
7. A. Koutsoyiannis (1979) 2nd Ed Micro Economics, Macmillan Press, London Walter

SEMESTER-II

Macroeconomics-II

Course No: ECO-15202-CR

1. Levacic Rosalind and Alexander Rebman (2nd Edition, 1982) “Macroeconomics – An Introduction to Keynesian – Neoclassical Controversies. Macmillan Press Ltd. London.
2. Carlin Wendy and David Soskice (1st Edition, 2007) “Macroeconomics – Imperfections, Institutions and Policies” Oxford University Press, New York.
3. Froyen Richard (7th Edition, 2005) “Macroeconomics” Pearson Education, Delhi.
4. Dornbush, Fischer, Stratz (9th Edition, 2004) “Macroeconomics” Tata McGraw-Hill. New- Delhi

SEMESTER- II

History of Economic Thought

Course No: ECO-15203-CR

1. Bhatia H. L. 1993. History of Economic Thought. Vikas Publishing House, New Delhi.
2. Eric, R. 1975. A History of Economic Thought. Oxford University Press, New Delhi.
3. Guide and Rist, 1973. A History of Economic Doctrine. Oxford University Press, New Delhi
4. Haney L. 1979. History of Economic Thought. Surjeet Publications New Delhi.
5. Hunt, E. K. 2004. History of Economic Thought - A critical Perspective. Shubhi Publications, Gurgoan, India.
6. Mark Bloug 1983. Economic Theory in Retrospect. Vikas Publishing House, New Delhi.
7. Sweezy, P. M. 1962. The Theory of Capitalist Development. Denis Dobson ltd London.
8. Sen A. K. 1991. Poverty and Famines: An Essay on Entitlements and Deprivations, Oxford University Press Oxford.
9. Sen A. K. 2009. Idea of Justice. Penguin Group of Books Ltd. London
10. Stanley.L. Brue. The Evolution of Economic Thought. The Dryden press, Harcourt, Brace college publishers.
11. Das, D. K. 2004. Great Indian Economists: Their Creative Vision for Socio Economic Development, Volumes: 1, 2,4, 5, 7, 10, Deep and Deep Publication, New Delhi
12. Dahiya, S. B. 1999. Current State of Economics, vol:1, pp: 43-54
13. Robert B Ekelund,jr.and Robert F.Herbert (1975): History of Economic Theory and Method, McGraw-Hill.
14. Samuels J .Warren,Jeff E.Biddle and John B.Davis(ed)(2003): A companionate the History of Economic Thought, Blackwell.

15. Roncagila Alessandro: The Wealth of Ideas, A History of Economic Thought, Cambridge .
16. Screpanti Ernesto and Stenfo Zamagni: An outline of the history of Economic Thought, Oxford.
17. M.Shaghil (1989) "Islamic Economics-A global Perspective" Aashish Publishing House New Delhi.
18. Ahmad, K. (1981) Studies in Islamic Economics. The Islamic Foundation, Leicester, UK.
19. Kahf, M. (latest ed) Lessons in Islamic Economics. IRTI, Islamic Development Bank, Jeddah, Saudi Arabia
20. Mannan M.A, (1986) Islamic Economics: Theory and Practice, A Comparative Study, Cambridge, Hodder and Stoughton.

SEMESTER- II

Advanced Mathematics

Course code: ECO-15204-DCE

1. R. G. D Allen, (2003); Mathematical Analysis for Economists, The Macmillan Press, New Delhi.
2. A.C Chiang, (1984); Fundamental Methods of Mathematical Economics, Tata McGraw Hill.
3. D. T. Edward, (2008); Introduction to Mathematical Economics, Tata McGraw Hill, Delhi.
4. M. J. Henderson, (2006); Microeconomics Theory, Tata McGraw- Hill, New Delhi.
5. T. Yamane, (1995); Mathematics for Economists, Prentice Hall of India, New Delhi.
6. J. W. Boumal, (2000); Economic Theory and Operation Analysis, Prentice Hall of India, Delhi
7. S. C. Gupta and V. K. Kapoor; Fundamentals of Mathematical Statistics, Himalaya publishing House, New Delhi.

SEMESTER- II

Basic Econometrics

Course code: ECO-15205-DCE

1. D.N Gujarati, (1995) 4thed; Basic Econometrics, Tata McGraw Hill, New Delhi.
2. A.S Goldberger, (1998); Introductory Econometrics, Harvard University Press, Cambridge, MIT.
3. R.C Hill, W.Griffiths and G.C Lim, 4thed; Principles of Econometrics, John Wiley and Sons.
4. J. Johnston 4thed; Econometrics Methods, Tata McGraw Hill, New Delhi.
5. P. Kennedy, (1998) 4thed; A Guide to Econometrics, MIT Press, New York.
6. G.S Maddala (ed.), (1993), Econometric Methods and Application (2 Volumes)

SEMESTER- II

MONETARY ECONOMICS

Course code: ECO-15206-DCE

1. Bhole, L. M. 2002. Financial Institutions and Markets. Tata McGraw Hill Comp New Delhi
2. Fredric Miskin. 2003. The Economics of Money: Banking and Financial Markets. Addison Wesley Longmate
3. Lloyd 1979. Money Banking and Economic Activity. Addison Wesley
4. S. B. Gupta 2001. Monetary Economics. S. Chand and Com. Ltd. New Delhi.
5. Hubbard G. R. 1997. Money, the Financial System and Economy. Addison Wesley
6. Thomas. M. Tammes. S. D. and Robert Z. A. 1984. Money, Banking and the Economy. W. W. Norton and Company, New York London
7. Robinson, R. I. and 1981. Financial Markets, McGraw Hill, London.

8. Smith, P. F. 1978. Money and Financial Intermediation: the theory and Structure of Financial System. Printice Hall New Jersey.
9. Chandler L. V. and S. M. GoldFeld 1977. The Economics of Money and Banking. Harper & Row, New York. S S
10. Burton, Maureen and Bruce Brown. The Financial System and the Economy Principles of Money and Banking, 5th Edition. Prentice Hall of India, New Delhi.
11. Mishkin, Frederic. Monetary Policy Strategy. Prentice Hall of India, New Delhi.
12. M. Madhumathi. Monetary Economics-Theory and Policy for Indian Economy, The Associated Publishers, India, Ambala City.

SEMESTER- II

Agricultural Economics

Course code: ECO-15207-DCE

1. M.L Dantwala (ed.) (1991) 2nd Revised ed; Indian Agricultural Development since Independence, Oxford & IBH Publishing Co. (General Reference).
2. J.W Mellor (1969); The Economics of Agricultural Development, Cornell University Press (Units 2,3).
3. K. Subbarao (1989), Agricultural Marketing and Credit, ICSSR (Unit 3).
4. E.O Heady (1961); Economics of Agricultural Production and ResourceUse, Prentice Hall, New York (Unit 4).
5. J.B Penson, Oral Capps and C.P Rosson (1996); Introduction to Agricultural Economics, Prentice Hall, (Units 4).
6. S.S Acharya and N.L Agarwal; Agricultural Marketing in India, Oxford Publishing Ltd, Calcutta.
7. Debertain, David L. (2012), Agricultural Production Economics, 2nd Edition. New York: Macmillan.
8. Allen, R.G.D.(1938) Mathematical Analysis for Economists, New York: Macmillan Co.
9. Southworth Herman and Bruce Johnston (eds.) (1968): Agricultural Development and EconomicGrowth, Cornell University Press, New York.
10. Reddy S. S., Ram P. R, SastryN. and Devi B. (2006), Agricultural Economics, Oxford & IBH Publishing Co. Pvt. Ltd. New Delhi.
11. Chiang, A.C. (2005): Fundamental Methods of Mathematical Economics, McGraw Hill, ND.

SEMESTER- II

Indian Economy: Features and Analysis

Course code: ECO-15208-GE

1. Ruddardutt& K.P.M. Sundaram, 2006. Indian Economy. S.Chand& Co. New Delhi.
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SEMESTER- II

Human Development

Course code: ECO-15209-GE

1. Diane Papalia (ed.) Human Development, McGraw-Hill, 2008.
2. Doris Bergen, Human Development: Traditional and Contemporary Theories, Pearson, 2007.
3. Dr. William Molnar III, Principles of Human Development, CreateSpace Independent Publishing Platform, 2013.

4. Hari Mohan Mathur, Displacement and Resettlement in India: The Human Cost of Development, Routledge, 2013.
5. MahbulHaq, Human Development in South Asia 2007: A Ten-year Review, Oxford University Press, 2009.
6. Martha C. Nussbaum, Creating Capabilities: The Human Development Approach, Belknap Press, 2013.
7. Neil J. Salkind, An Introduction to Theories of Human Development, Sage, 2004.
8. Rattan Lal, Mannava V.K. Sivakumar, S.M.A. Faiz, A.H.M. Mustafizur Rahman and Khandakar R. Islam (eds.), Climate Change and Food Security in South Asia, Springer, 2011.
9. Sadiq Ahmad, Explaining South Asia's Development Success: The Role of Good Policies, The World Bank, 2006.

SEMESTER- II

Elementary Macroeconomics

Course code: ECO-15210-OE

1. Gardner Ackley, "Macroeconomic Theory" The Macmillan Company, New York and Surjeet Publications, India.
2. Rana and Verma, "Macroeconomic Analysis" Vishal Publications Delhi.
3. Edward Shapiro, "Macroeconomic Analysis" Galgotia Publications Pvt. Ltd. New Delhi.
4. D. M. Mithani, "Macroeconomic" Himalaya Publishing House Pvt. Ltd. Mumbai.
5. H. L. Ahuja, "Macroeconomic -theory and Policy" (Revised Edition) S. Chand and Company Ltd. New Delhi.

SEMESTER- II

Money and Banking

Course code: ECO-15211-OE

1. Mithani, D. M. (2009), Money, Banking, International Trade and Public Finance, Himalaya Publishing House.
2. Jain, Netra (2012), Monetary Economics, Alfa Publications New Delhi.
3. Bhole, L. M. (2002) Financial Institutions and Markets. Tata McGraw Hill Comp New Delhi
4. Fredric Miskin. (2003) The Economics of Money: Banking and Financial Markets. Addison Wesley Longmate
5. Lloyd (1979) Money Banking and Economic Activity. Addison Wesley
6. S. B. Gupta (2001) Monetary Economics. S. Chand and Com. Ltd. New Delhi.

SEMESTER-III

Economics of Growth

Course No: ECO-15301-CR

1. Weil, David N. (2nd Edition, 2009) "Economic Growth" Pearson Education, India.
2. Thirwal, A P (6^{th/8th} Edition, 1999/2006) "Growth and Development" Palgrave Macmillan, U.K.
3. Barro, R.J. and Sala-i-Martin (2nd Edition, 2007) "Economic Growth" Prentice Hall of India. New Delhi.
4. Gills M, Perkins, Romer and Snodgrass "Economics of Development" W.W. Norton and Company, New York.

5. Todaro M.P. and Smith(8th Edition, 2003) “Economic Development” Pearson Education, Delhi

SEMESTRER-III

International Trade

Course code: ECO-15302-CR

1. B. Soderston and G Reed (1994), 3rd edition; International Economics, McMillan Press Ltd., London.
2. P. R. Krugman and M. Obstfeld (2000), 5th Edition; International Economics- Theory and Policy, Addison Wesley, New Delhi.
3. D. Salvatore (2004), 8th Edition, International Economics, Wiley India, New Delhi.
4. C. V. Marrewijk (2007); International Economics: Theory, Application and Policy, Oxford University Press, New York.
5. M. Chacholieds (1999); International Economics, Macmillan Publication.
6. C.P. Kindleberger; International Economics, R. D. Irwin Inc., Illinois.

SEMESTRER-III

Course Title: Indian Economy

Course No: ECO-15303-CR

1. Jean Dreze and Amartya Sen (2002) , India: Development and Participation, Oxford University Press, 2nd edition, 2002.
2. Pulapre Balakrishnan, (2007), “The Recovery of India: Economic Growth in the Nehru Era”, Economic and Political Weekly, November.
3. Rakesh Mohan, (2008), “Growth Record of Indian Economy: 1950-2008. A Story of Sustained Savings and Investment”, Economic and Political Weekly, May.
4. S.L. Shetty, (2007), “India’s Savings Performance since the Advent of Planning”, in K.L. Krishna and A. Vaidyanathan, editors, Institutions and Markets in India’s Development.
5. Himanshu, (2010), “Towards New Poverty Lines for India”, Economic and Political Weekly, January.
6. Jean Dreze and Angus Deaton, (2009), “Food and Nutrition in India: Facts and Interpretations”, Economic and Political Weekly, February.
7. Himanshu, (2011), “Employment Trends in India: A Re-examination”, Economic and Political Weekly, September.
8. Rama Baru et al., (2010), “Inequities in Access to Health Services in India: Caste, Class and Region”, Economic and Political Weekly, September.
9. Geeta G. Kingdon, (2007), “The Progress of School Education in India”, Oxford Review of Economic Policy.
10. J.B.G. Tilak, (2007), “Post Elementary Education, Poverty and Development in India”, International Journal of Educational Development. 24
11. T. Dyson, (2008), “India’s Demographic Transition and its Consequences for Development” in Uma Kapila, editor, Indian Economy Since Independence , 19th edition, Academic Foundation.
12. Kaushik Basu, (2009), “China and India: Idiosyncratic Paths to High Growth”, Economic and Political Weekly, September.

13. K. James, (2008), "Glorifying Malthus: Current Debate on Demographic Dividend in India", Economic and Political Weekly, June.
14. ReetikaKhera, (2011), "India's Public Distribution System: Utilisation and Impact", Journal of Development Studies.
15. Aniruddha Krishna and DevendraBajpai, (2011), "Lineal Spread and Radial Dissipation: Experiencing Growth in Rural India, 1992-2005", Economic and Political Weekly, September.
16. KaushikBasu, (2012), editor, The New Oxford Companion to Economics, Oxford University Press.
17. Shankar Acharya, (2010), "Macroeconomic Performance and Policies 2000-8", in Shankar Acharya and Rakesh Mohan, editors, India's Economy: Performances and Challenges: Development and Participation, Oxford University Press.
18. Rakesh Mohan, (2010), "India's Financial Sectorand Monetary Policy Reforms", in Shankar Acharya and University Press.
19. Ray , D. (Rakesh Mohan, editors, India's Economy: Performances and Challenges: Development and Participation, Oxford 1999): Development Economics. Oxford University Press, NewDelhi. Chapter 8
20. Ronald G. Ehrenberg and Robert Smith (2005) Modern Labour Economics,5th Edition. New York: McGraw-Hill.

SEMESTRER-III

Course Title: Advanced Econometrics

Course No: ECO-15304-DCE

1. W. Enders, (2003) 2nded; Applied Econometric Time Series.
2. F.B Christopher; An Introduction to modern Econometrics using STATA, STATA Press.
3. A.S. Goldberger, (1998), Introductive Econometrics, Harvard University Press, Cambridge, Mass.
4. D.N. Gujarati, (1995), Basic Econometrics (4th Edition), Mcgraw Hill, New Delhi.
5. P. Kennedy, (1998) 4thed; A Guide to Econometrics, MIT Press, New York.
6. K.L Krishna (Ed.); Econometric Applications in India.
7. G.S Maddala (Ed.), (1993), Econometric Methods and Application (2 Volumes)
8. W.H Greene, 5thed; Econometric Analysis, Prentice Hall.
9. A.C Cameron and P.K Trivedi; Microeconometrics using STATA, STATA Press.
10. STATA Manual, STATA Press.
11. A.S Deaton; The Analysis of Household Surveys: a Micro-Econometric Approach to Development Policy.

SEMESTRER-III

Indian Financial System

Course No: ECO-15305-DCE

1. Khan, M. Y. (1996). Indian Financial System. Tata McGraw Hill, New Delhi.
2. Machiraju, M. R. (1999). Indian Financial System. Vikass Publishing House, New Delhi.
3. Mundel, S. (1999). Public Finance Policy--issues for India. Oxford University Press New Delhi.
4. Reports of Various Finance Commissions.
5. Economic Surveys.

6. Bhole, L. M. (2002). Financial Institutions and Markets. Tata McGraw Hill Comp New Delhi
7. Fredric Miskin. (2003). The Economics of Money: Banking and Financial Markets. Addison Wesley Longmate
8. Report on Financial Sector Reforms. (2001). Tax Foundation of India. New Delhi.
9. R.B.I. Bulletins. Various Issues.
10. R.B.I. Report on Currency and Finance.
11. Surry, M. M. (2004). Indian Economy in 21st Century. Tax Foundation of India New Delhi.
12. Y. V. Reddy. (2001). Monetary and Financial Sector Reforms in India. UBS Publishers and Distributors Ltd. New Delhi.
13. Francis.C. (2006), Business Environment, Himalaya Publishing House Mumbai.
14. Vasant Desai (1997),The Indian financial System Himalaya Publishing House Mumbai.
15. Prasad K.N (2001), Development of Indias Financial System. Sarup & Sons New Delhi.
16. MachiRaju.H.R (1997), International Financial markets in India,Wheeler Publishing house Allahabad.
17. RangaRajan C (1999), India – Economic Essays On Money and Finance ,UBS Publications New Delhi.

SEMESTRER-III

Economics of Social Sector

Course No: ECO-15306-DCE

1. Blaugh, Mark (1972) Introduction to Economics of Education, Penguin, London
2. Folland, S. et. al. (2009) The Economics of Health and Health care, Pearson Prentice Hall, N. Delhi
3. Parikh, K. S. (ed) various issues, India Development Report, Oxford University Press, N. Delhi
4. Kundu, Amitabh,(2006) India Social development Index, Oxford University Press, N. Delhi
5. R. Govinda (2002) India Education Report, Oxford University Press, N. Delhi
6. Mishra, R (2003) India Health Report, Oxford University Press, N. Delhi

SEMESTRER-III

J & K Economy

Course No: ECO-15307-DCE

1. Singh, J. 2004. The Economy of Jammu and Kashmir.Radha Krishnan Anand& Co. Jammu
2. DES, Digest of Economics and Statistics, latest issue, Government of J&K, Srinagar.
3. DES, Indicators of Regional Development 2007-08, Government of J&K, Srinagar.
4. Godbholey Committee Report on Economic Reforms for J&K.1998, Government of J&K, Srinagar
5. Bhat M.S & M L Misri (1994), Poverty planning and Economic Change in J&K.Vikas publishing House
6. Bakshi. S. R, (2002), History of Economic Development in Kashmir,Gulshan Publishers J&K
7. Khan J. I. Jammu and Kashmir Economy (2012). The Directorate of Distance Education, University of Kashmir. ISSN NO: 978-938209-7-655

SEMESTRER-III

Demography

Course No: ECO-15308-GE

1. H. Shryock and J.S, Siegel; The Methods and Materials of Demography.
2. K.B.Pathak and F.Ram; Techniques of Demographic Analysis, Himalyan Publishing House.
3. B.K. Bhatt,J.N. Desai,M.L. Jhingan; Demography, Vrinda Publication (P) Ltd.
4. A Bhende and T. Kanitkar, Revised ed; Principles of Population Studies, Himalayan Publishing House.
5. B.J Donald; Principles of Demography, John Wiley, New York.
6. B.D. Mishra; An Introduction to the Study of Population, South Asian Publishing, New Delhi.
7. National Family Health Survey Reports, Government of India.
8. Census of India Publications.

SEMESTRER-III

Rural Development

Course No: ECO-15309GE

1. Sundaram, Satya,I.: Rural Development, Himalaya Publishing
2. Desai Vasant.: Rural Development- Programmes and Strategies, Himalaya Publishing House, Mumbai
3. Mukundan, N.: Rural Development and Poverty Eradication in India, New Century, New Delhi
4. Reddy,Venkata.K.: Agriculture and Rural Development (A Gandhian Perspective), Himalaya Publishing House.
5. Singh, Katar. : Rural Development – Principles, Policies and Management, Sage Publications. New Delhi
6. Chandra Shekhar Prashad: Agriculture and rural development in India since 1947, New Century publications, New Delhi.
7. Dhingra I.C, Rural Economics, S.Chand and Sons, New Delhi.

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Financial Markets

Course No: ECO-15310-OE

1. Houthkkar H.S. and Williomson P.J. The Economics of Financial Market, Oxford University Press, 1996.
2. Zvi Bodie / Robert C Merton /Devid L.Cleeton (2009) Financial Economics Pearson Publication N.Delhi.
3. David G. Luenberger Investment science, Oxford University Press, 1998.
4. Ross Stephen and Rudolf W.W. Fundamentals of Corporate Finance, McGraw Hill International Ed. 1998.
5. John Hull futures, Options and Other Derivative Securities, McGraw hill Susan Thomas, (ed) Derivatives Market India 2003, Invest India 2003.
6. Hanson, J.A. and S. Kathuria (Eds.) (1999), India: A Financial Sector for the Twenty-first Century, Oxford University Press, New Delhi.
7. Robinson, R.I. and D. Wrightman (1981), Financial Markets, McGraw Hill, London.

8. Smith, P.F. (1978), Money and Financial Intermediation: The Theory and Structure of Financial System, Prentice Hall, Englewood-Cliffs, New Jersey.
9. Chandra, P. (1997), Financial Markets, (4th Edition), Tata McGraw Hill, New Delhi.
10. Farrell, J.L. (1997), Portfolio Management, (2nd Edition), McGraw Hill, New York
11. Shaw, E.S. (1983), Financial Deepening in Economic Development, Oxford University Press, London.
12. Fenstermaker, J.V. (1969), Readings in Financial Markets and Institutions, Appleton, New York.

SEMESTER-III

Basic Issues in Economic Development

Course No: ECO-15311-OE

1. Thirwall, A P(6th/8th Editions, 1999/2006) "Growth and Development" Palgrave Macmillan, U.K.
2. Todaro, M.P. and Smith(8th Edition, 2003) "Economic Development" Pearson Education, Delhi.
3. Misra and Puri, " Economics of Development and Planning -Theory and Planning" Himalaya Publishing House. Mumbai.

SEMESTER-IV

Economics of Development

Course No: ECO-15401-CR

1. Meir, G.M. and J.E. Rauch (6th Edition, 1997) "Leading Issues in Economic Development" Oxford University Press. New York.
2. Sharp, A.M., C.A. Register and R.H. Leftwich (8th Edition, 1988) "Economics of Social Issues" Universal Bookstall, New Delhi.
3. Thirwall, A P(6th/8th Editions, 1999/2006) "Growth and Development" Palgrave Macmillan, U.K.
4. Todaro, M.P. and Smith(8th Edition, 2003) "Economic Development" Pearson Education, Delhi
5. Gills M, Perkins, Romer and Snodgrass "Economics of Development" W.W. Norton and Company, New York.
6. Ray Debraj (16th Edition, 2010) "Development Economics" Oxford University Press. New Delhi.

SEMESTER- IV

Public Economics

Course No: ECO-15402-CR

1. J. Gruber, (2010), 2nded; Public Finance and Public Policy, MIT.
2. H. Rosen (2005), Public Finance..
3. J. E. Stiglitz, (1986); Economics of Public Sector, Norton, New York.
4. J. Cullis and P. Jones, (1998), 2nded; Public Finance and Public Choice, Oxford University Press.
5. R. A. Musgrave, (1959); The Theory of Public Finance. McGraw Hill, Tokyo.
6. Musgrave and Musgrave, (1976); Public Finance in Theory and Practice, Tata McGraw Hill, New Delhi.
7. A. B. Atkinson and J. E. Stiglitz, (1980); Lectures on Public Economics. Tata McGraw Hill, New York.
8. J Hindriks and G.D Myles, (2007); Intermediate Public Economics, Prentice Hall of India.
9. Mueller, Dennis C. (1979). Public Choice. Cambridge University Press.

SEMESTER- IV

Course Title: Environmental Economics

Course No: ECO-15403-CR

1. A.M. Hussain, (1999); Principals of Environmental Economics, Rutledge, London.
2. N. Hanley et el, (1999); Environmental Economics in theory and Practice, Macmillan India Ltd, New Delhi
3. C.D. Kolstad, (1999), Environmental Economics, Oxford University Press, New Delhi.
4. Singh K. and Shishodia A. (2011) Environmental Economics: Theory and Application, SAGE Publication India Pvt Ltd., New Delhi
5. R. Acharya, (2013); Trade and Environment, Oxford University Press, New Delhi
6. R.N. Batacharya, (2001); Environmental Economics—An Indian Perspective, Oxford University Press, New Delhi.
7. Stephen C. Hackett (2009) Environment and Natural Resource Economics: theory, Policy and the Sustainable society, Reference Press, N. Delhi
8. Charles S. Pearson (2000); Economics and Global Environment, Cambridge University Press.
9. Barry C. Field and Martha K. Field, 3rded; Environmental Economics, MacGraw Hills Irwin.
10. U. Sankar (ed), (2001); Environmental Economics, Oxford University Press, New Delhi

SEMESTER- IV

Issues in Indian economy

Course No: ECO-15405-DCE

1. Uma Kapila (ed). India's Economic Development Since 1947 (3rd Ed. or latest version). Academic.
2. S Chakraborty. (1987). Development Planning: The Indian Experience. Clarendon Press.
3. Vaidyanathan A.(1994). Performance of Indian Agriculture since Independence in KaushikBasu (ed.)
4. Agrarian Question, Oxford University Press.
5. BimalJalan (ed.) The Indian Economy: Problems and Prospects Penguin.
6. C D. Wadhwa. Some problems of India's Economic Policy, Tata McGraw Hill.
7. J. Sachs, A Varshney and N Bajpai (ed). India in the Era of Economic Reforms. Oxford University Press.
8. I, Judge Ahluwalia. (1985). Industrial Growth in India since the Mid-sixties. Oxford University Press.
9. PC Joshi. (1975). Land Reforms in India: Trendsand Perspectives. Allied Publishers: New Delhi.
10. PramitChaudhuri. (1979). Indian Economy: Poverty and Development.George Allen and Unwin, London.

SEMESTER - IV

Labour Economics

Course code: Eco -15406-DCE

1. R. A. Lester; Economics of Labor.
2. C. R. Mcconnel and S.L. Bruce; Contemporary Labor Economics.
3. N. Das; Unemployment, Full Employment and India.
4. V. B. Singh (ed.); Industrial Labor in India.
5. V. Rao (ed.); Agricultural Labor in India.
6. L.G. Reynolds; Labor Economics and Labor Relations.

7. T. N. Bhagoliwwal; Economics of Labor and Industrial Relations.
8. Report of the National Commission on Labor, Government of India.

SEMESTER- IV

Islamic Economics

Course code: ECO-15408-GE

1. Kahf, M. (latest ed) Lessons in Islamic Economics. IRTI, Islamic Development Bank, Jeddah, Saudi Arabia
2. Mannan M.A, (1986) Islamic Economics: Theory and Practice, A Comparative Study, Cambridge, Hodder and Stoughton.
3. Ahmad, Khurshid, (latest edition), Fiscal Policy and Revenue Allocation in Islam, International Islamic University, Islamabad.
4. Mannan M.A. (1995), Developing a System of Financial Instruments IRTI, Islamic Development Bank, Jeddah.
5. Chapra T M., (1991) The Economic System of Islam, University of Karachi,.
6. Khurshid, Ahmad, Elimination of Riba: Institute of Policy Studies, Islamabad.
7. Mahdi, M. Ahmad, (1995), Islamic Banking Modes for House Building Finance, Islamic Development Bank, Jeddah.
8. Mannan M.A, (1996), Financing Development in Islam, IRTI, Islamic Development
9. Bank, Jeddah
10. Nomani, Farhad & Rehnuma., Ali, (1994) Islamic Economic Systems: - Zed Rooks Ltd., London.
11. Ahmad, K. (1981) Studies in Islamic Economics. The Islamic Foundation, Leicester, UK
12. Islamic economics: Dar A.II & Moo Akram Ilmi Kitab Khana, Lahore (Latest edition.)
13. Naqvi, SNH (1993), Islam, Economics and Society, Kegan Paul International, London, UK
14. Faridi, F.R. (1980) "Zakat and Fiscal Policy", in K. Ahmad (ed) Studies in Islamic Economics. The Islamic Foundation, UK.

SEMESTER- IV

Gender and Development

Course code: ECO-15409-GE

1. Ray Raka (2012): Handbook of Gender, Oxford University Press.
2. Pal, Bharti, Bholanath, Vasular (2011) : Gender and Discrimination (Health, Nutritional status and Role of women in India Oxford University Press
3. The World Bank (2012) Gender Equality and Development
4. Biswal Tapan (2006) Human rights Gender and Environment, Viva Books pvt ltd.
5. Agarwal ,Bima (2010) Gender and Green Governance : " The political economy of women's presence within and beyond Community Forestry, Oxford University Press.
6. Menon, Nivedita (1999): Themes in Politics; Gender and Politics in India, Oxford University Press.
7. Mohanty, (2007): Women and Political Empowerment Functions, Institute of Social Sciences. Hopper, Paul. (2012): Understanding: Polity Press

SEMESTER-IV

Money and Finance in India

Course No: ECO-15410-OE

1. Bhargava, P. K. (1984). Some aspects of Indian Public Finances. Uppal Publishing House New Delhi
2. Bhatt. R. S. (1996). Unit Trust of India and Mutual Funds: A Study. UTI Institute of Capital Markets, Mumbai.
3. Datt, R. (Ed.) (2001). Second Generation Economic Reforms in India. Deep and Deep Publications New Delhi.
4. Khan, M. Y. (1996). Indian Financial System. Tata McGraw Hill, New Delhi.
5. Mundel, S. (1999). Public Finance Policy--issues for India. Oxford University Press New Delhi.
6. Reports of Various Finance Commissions.
7. Economic Surveys.
8. Lekhi, R. K. (1999). Public Finance. Kalyani Publishers New Delhi.
9. Report on Financial Sector Reforms. (2001). Tax Foundation of India. New Delhi.

SEMESTER- IV

Introductory Environment Economics

Course No: ECO-15411-OE

1. Singh K. and Shishodia A. (2011) Environmental Economics: Theory and Application, SAGE Publication India Pvt Ltd., New delhi
2. Tietenberg, T. H. (1996), Environmental and Resource Economics, HarperCollins, N. York.
3. A.M. Hussain, (1999), Principals of Environmental Economics, Rutledge, London.
4. N. Hanley et el, (1999), Environmental Economics in theory and Practice, Macmillan India Ltd, New Delhi