

GOVT. D.B. GIRLS' P.G. AUTONOMOUS COLLEGE

Raipur C.G.



FACULTY OF SOCIAL SCIENCE

SYLLABUS

OF

M.A.

ECONOMICS

2018-19

M.A. IN ECONOMICS: SEMESTER EXAMINATION

2018-19

CREDIT BASED SYSTEM

At post graduate level, candidate are required to study 15 papers in Ist ,IInd and IIIrd semester(05papers in each semester) and 04 papers in IVth semester examination. This be treated as the nineteen papers of the course structure. So there shall be 19 papers in each Post Graduate Examination in Economics containing 80 credits. Each paper shall carry 100 marks (80 marks for external examination and 20marks for internal examination).Viva- Voce examination be treated as a compulsory paper for M.A. IV th semester examination. There shall be 2000 marks in MA. Candidates shall have to secure 36% marks in aggregate of all papers in order to pass the M.A. Examination.

M.A. SEMESTER-I

PAPER	TITLE OF THE PAPER	CREDITS
PAPER-I	Micro Economics	04
PAPER-II	Macro Economics	04
PAPER-III	Quantitative Methods	04
PAPER-IV	Indian Economics	04
PAPER-V	Industrial Economics	04
TOTAL CREDITS		20
M.A. SEMESTER-II		
PAPER-I	Micro Economic Analysis	04
PAPER-II	Macro-Economic Analysis	04
PAPER-III	Research Methodology & Applications	04
PAPER-IV	Indian Economic Policy	04
PAPER-V	Labour Economics	04
TOTAL CREDITS		20
M.A. SEMESTER-III		
PAPER-I	Economics of Growth	04
PAPER-II	International Trade	04
PAPER-III	Public Finance	04
PAPER-IV	Environmental Economics	04
PAPER-V	Demography	04
TOTAL CREDITS		20
M.A. SEMESTER-IV		
PAPER-I	Economics of Development & Planning	05
PAPER-II	International Economics	05
PAPER-III	Public Economics	05
PAPER-IV	Economics of Social Sector	05
	VIVA VOCE	
TOTAL CREDITS		20
TOTAL CREDITS (M.A. FIRST TO FORTH SEMESTER)		80

SCHEME OF MARKS

(PART-A)

2018-19

M.A. SEMESTER-I

Paper	Semester-I	Credits	External	Internal		TOTAL
				Test	Seminar	
PAPER-I	Micro Economics	04	80	10	10	100
PAPER-II	Macro Economics	04	80	10	10	100
PAPER-III	Quantitative Methods	04	80	10	10	100
PAPER-IV	Indian Economics	04	80	10	10	100
PAPER-V	Industrial Economics	04	80	10	10	100
	Total	20	400	50	50	500

M.A. SEMESTER-II

Paper	Semester-II	Credits	External	Internal		TOTAL
				Test	Seminar	
PAPER-I	Micro Economic Analysis	04	80	10	10	100
PAPER-II	Macro-Economic Analysis	04	80	10	10	100
PAPER-III	Research Methodology & Applications	04	80	10	10	100
PAPER-IV	Indian Economic Policy	04	80	10	10	100
PAPER-V	Labour Economics	04	80	10	10	100
	Total	20	400	50	50	500

$$A=500+500=1000$$

(PART-B)
2019-20
M.A. SEMESTER-III

Paper	Semester-III	Credits	External	Internal		TOTAL
				Test	Seminar	
PAPER-I	Economics of Growth	04	80	10	10	100
PAPER-II	International Trade	04	80	10	10	100
PAPER-III	Public Finance	04	80	10	10	100
PAPER-IV	Environmental Economics	04	80	10	10	100
PAPER-V	Demography	04	80	10	10	100
	TOTAL	20	400	50	50	500

M.A. SEMESTER-IV

Paper	Semester-IV	Credits	External	Internal		TOTAL
				Test	Seminar	
PAPER-I	Economics of Development & Planning	05	80	10	10	100
PAPER-II	International Economics	05	80	10	10	100
PAPER-III	Public Economics	05	80	10	10	100
PAPER-IV	Economics of Social Sector	05	80	10	10	100
PAPER-V	VIVA VOCE		100			100
	TOTAL	20	420	80		500

B=500+500=1000

GRAND TOTAL (A+B)

1000+1000=2000

SEMESTER – I
2018-19
MICRO ECONOMICS
Paper-I

UNIT - I

Introduction and Basic Concepts - Demand –Utility analysis; Concept of Equilibrium- Elementary theory of price formation - demand and supply equilibrium. Elasticity of demand (Price Income & Cross), Marginal analysis as an approach to price and output determination, supply curve; elasticity of supply, Economic models.

UNIT- II

Indifference curve – Income and substitution effects, –Slutsky theorem, compensated demand curve and their applications. Revealed preference theory; Characteristics of goods approach; Hicksian Consumer's Surplus, Theories of Production and Costs– Production function- short period and long period, Law of variable proportions and returns to scale.

UNIT- III

Isoquants- Least Cost combination of inputs; Returns to factor; Economies of scale; Elasticity of substitution; Euler's theorem Technical progress and the production function, Cob-Douglra CES production functions and their properties. Perfect Competition - equilibrium of firm in Perfect Competition. Monopoly -short run and long run equilibrium, price discrimination, welfare aspect, monopoly control and regulation.

UNIT- IV

Monopolistic Competition – General and Chamberlin's approaches to equilibrium, equilibrium of the firm and the group with product differentiation and selling costs, excess capacity under monopolistic and imperfect Competition, criticism monopolistic competition ; Oligopoly–Non-collusive Cournot, Bertrand, Edgeworth, chamberlin's kinked demand curve, collusive – Cartels and mergers price leadership the basic point price system models.

BOARD OF STUDIES

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SEMESTER – I
2018-19
MACRO ECONOMICS
Paper – II

Unit – I

National income and accounts – Concept of National income and National Product, Problems of Measurement, Circular flow of income – Two, Three and four sector economy, Different forms of national income accounting – Social accounting, input out-put accounting, flow of funds, balance of payments accounting.

Unit – II

Consumption function- Keynes’ Psychological law of Consumption, short run and long run consumption function, Empirical evidence on consumption function – Absolute income Hypothesis, Duesanbery’s relative Hypothesis, Life cycle and Permanent income Hypothesis.

Unit – III

Investment function - Marginal efficiency of capital and investment, investment behavior, Saving and investment equality, Multiplier, Accelerator, Super-Multiplier. Supply of money, High Powered money, Control of Money Supply.

Unit – IV

Demand for money – Quantity theory of money, Keynesian approach to demand for money, post Keynesian approach to demand for money- Patinkin, Baumols, Tobin, Friedman, IS-LM model.

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M.A. SEMESTER – I
SEMESTER – I
2018-19
QUANTITATIVE METHODS

Paper – III

Unit – I

Skewness – Symmetrical and asymmetrical distribution, Measurement of skewness Karl Pearson's coefficient of skewness, Simple correlation- Measurement of correlation – Karl Pearson's coefficient of correlation and Spearman's rank correlation, Probable error and standard error in correlation, Partial and multiple coefficient of correlation.

Unit– II

Regression analysis: Regression & Correlation, regression lines and regression coefficient, regression equations. Multiple regression analysis (up to three variables). Standard error of the estimates. Interpolation and extrapolation-method of fitting a parabolic curve, Newton's advancing difference method, Direct binomial expansion method and Lagrange's method.

Unit– III

Association of Attributes – Meaning and types of association, Consistency of data, methods of determining association – method of comparison of proportion, coefficient of association using Yule's method. Probability – meaning and definition, Permutation and combination, Types of events, measurement of Probability – addition and multiplication theorem, conditional probability.

Unit– IV

Index Number- Definition, uses and problems in construction. Methods of constructing Index Numbers (a) Unweighted Index Numbers (b) Weighted Index Numbers , Test of Adequacy of Index Number Formulae- (a)Time Reversal Test (b) Factor Reversal Test (c) Circular Test

Time Series analysis: concept & Components Determinants of regular trend and seasonal indices Measurement of Trend, Moving average and least square method.

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M.A. SEMESTER – I

SEMESTER – I

2018-19

INDIAN ECONOMICS

Paper –IV

Unit – I

GDP and National Income of India – Components and Structure of GDP and National Income, Role of Primary, Secondary & Tertiary Sectors in GDP of India, National income, and per Capita Income, Growth rates of GDP and Per Capita income. Saving, Investment and Capital formation rates in India.

Unit – II

Demographic Features of Indian Population – Size and growth Rate of Population in India, Sex, Age-Composition and density of population, Rural urban Migration, Urbanization and Civic Amenities, Occupational structure, The Quality of Population, National Population Policy. Demographic Features of Chhattisgarh state.

Unit– III

Agricultural Development in Indian Economy – Agricultural Growth and Productivity, Causes of low productivity and measures to increase it. Institutional structure- Land-reforms in India, Technological changes in Agriculture – The Green Revolution, Second phases of Green – Revolution, National Agricultural Policy.

Unit– IV

Industrial Development in India- Industrial Policies of 1956 and 1991, Public sector Enterprises and their performance, Privatization and Disinvestment debate, small scale sector and Minor Medium Enterprises, Unorganized Sector and Informalisation of the Indian Economy and Knowledge Economy.

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M.A. SEMESTER – I
SEMESTER – I
2018-19
INDUSTRIAL ECONOMICS
Paper –V

Unit : I

Industrialization pattern, determinants, impact & advantages. Organization of a firm Ownership, objectives of the firm. Market Structure, Concentration, profitability & Innovation. Theories of Industrial Localization, Alfred Weber and Sargent Florence. Causes of Industrial localization, Localization of Industries in India. Factors affecting the location.

Unit– II

Size & Growth of the firm, Industrial Productivity, Efficiency & Capacity Utilization. Industrial Policy of India, Industrial Policy of Chhattisgarh. Role of Public & Private Sectors. Recent Trends in Industrial Growth. Liberalization and privatization. Regional industrial growth in India.

Unit– III

Industrial Finance - Long Term Funds & Short Term Funds. Organized Capital Market. Efforts to activate Capital Market. Institutional Finance- IDBI, IFCI, SFC's SIDC. Financial statement; Balance-sheet. Profit and loss account. Assessment of financial soundness, Ratio analysis, Project Evaluation; Cost- benefits analysis.

Unit– IV

Industrial Labour and Labour Legislation, Industrial Relation, Labour Welfare & Social Security. India's Major Industries, Small, Village & Cottage Industries of India, its development, problems & prospects.

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SEMESTER – II
2018-19
MICRO ECONOMIC ANALYSIS
Paper –I

Unit – I

Critical evaluation of marginal analysis, Baumol's sales revenue maximization model, Williamson's model of managerial discretion, Morris model of managerial enterprises. Full cost pricing rule, Bains limit pricing theory and its recent developments, including Behavioral model of the firm.

Unit – II

NEO-Classical Approach of Distribution and General Equilibrium --Marginal productivity theory, product Exhaustion theorem, Elasticity of Technical substitution, technical progress and factor shares, Theory of distribution in imperfect product and factor markets, Determinants of rent, wages, interest and profit (Only modern Theory).

Unit – III

Welfare economics – introduction, value judgment, classical welfare economics, Pigovian Welfare economics, Pareto optimal conditions. New welfare economics: compensation principle of Kaldor - Hicks. Social welfare function: Bergson – Samuelsons social welfare function, Arrows impossibility theorem

Unit – IV

Concept of Equilibrium: static and dynamic equilibrium, Partial and General equilibrium, Walrasian Excess Demand and input-output approaches to general equilibrium, existence, stability and uniqueness of equilibrium.

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SEMESTER – II
2018-19
MACRO ECONOMIC ANALYSIS
Paper –II
Unit – I

Theory of Inflation – classical, Keynesian and monetarist approaches to inflation, Structuralist theory of inflation, Philips curve analysis – short run and long run Philip’s curve. The natural rate of unemployment hypothesis, Tobin’s modified Philips curve, Adaptive expectations and rational expectations, control of inflation.

Unit – II

Business Cycles- main features of Business Cycles, Types of Business Cycle, Theories of business cycles- Pigou’s Psychological theory of Trade Cycle, Hawkins monetary theory of Trade Cycle, Schumpeter, Keynes, Hicks, Samuelson, Friedman, Kaldor model of Trade Cycle.

Unit – III

Monetary Policy-meaning of monetary policy, instrument of Monetary policy, Objective of monetary policy, limitations of monetary Policy, monetary policy and Economic development. Neoclassical Macroeconomics, International monetary system, international Liquidity Problem, SDR and New International Economic Order.

Unit – IV

Fiscal Policy – Meaning of Fiscal Policy, Instruments of fiscal policy, objectives of fiscal policy, fiscal policy and Economic growth, Effectiveness of fiscal policy, monetarism Vs fiscalism – The Debate, Similarities between Monetary policies and fiscal policies.

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SEMESTER – II
2018-19
RESEARCH METHODOLOGY AND APPLICATIONS
Paper –III

Unit – I

Research Methodology and Research Methods- Types of statistical research, Main stages of statistical research. Data - kinds and source, Methods of collection of data- primary and secondary data, precautions while questionnaire, editing of primary and secondary data. Importance of census data in India.

Unit – II

Classification and tabulation of data : meaning and objectives of classification, types of classification, tabulation of data, parts of a table, types of tables Frequency distribution of data, Diagrammatic & Graphical presentation of data. Hypothesis, meaning and types of hypothesis, errors and tests of hypothesis-one tail & two tail.

Unit – III

Sampling and sample designs : census and sample methods, methods of sampling random sampling methods and Non- random sampling methods, size of sample, merits and limitations of sampling, sampling and Non- sampling errors, how to judge the reliability of samples.

Unit – IV

Test of Significance – meaning, Procedure of test of significance, Student ‘t’ test, Chi-square test and F- ratio test, practical problems related to test of significance, test of significance of the difference between two small means, difference between parameter and statistic.

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SEMESTER – II
2018-19
INDIAN ECONOMIC POLICY
Paper – IV

Unit – I

Planning in India – Objectives and strategies of planning, LPG (Liberalization, Privatization & Globalization) Model of Development, Critical Assessment of Eleventh Five year plan, Approaches of Current (Twelfth) Five year plan. Developing grass-root organization for development- Panchayats, NGO'S.

Unit – II

Problem of Poverty and Inequality – The Concept of Poverty, Measurement & Estimation of Poverty in India, International comparison of poverty and inequality of incomes, Poverty- Eradication programs, Causes of Failure to remove poverty. Problem of Unemployment in India- Nature of unemployment, Various Schemes to reduce the unemployment. Balanced Regional Development- Indicators, Causes, Changing Scenario and Policy Measures to remove Regional Disparity.

Unit – III

Public Finance in Indian Economy – Fiscal Federation, Central-State Financial Relationship, Critical analysis of the **Fortieth** Report of Finance commission, Centre-State Conflict on Finances, Kelkar Task-Force on Reforms, Financial Sector Reforms in India.

Unit – IV

External Sector Behavior of Indian Economy- Structure and Direction of Foreign Trade, Balance of Payments of India, Issues in Export Import Policies, External value of the Rupee and foreign Exchange Reserves, FEMA (Foreign Exchange Management Act), Trade Reforms in India.

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SEMESTER – II
2018-19
LABOUR ECONOMICS
Optional Paper – V

Unit – I

Labour Market – Nature and characteristics of labour markets in India; Labour Market analysis-classical, neoclassical and dualistic economy; Demand for labour in relation to size and pattern of investment, choice of technologies and labour policies, supply of labour in relation to growth of labour force. Employment and development relationship - Poverty, Unemployment – concept, types and measurement.

Unit – II

Impact of rationalization, public sector and employment in agricultural sector; analysis of educated employment policy in five year plans its evaluation. Wage Determination Classical, neoclassical and bargaining theories of wage determination; concepts of minimum wage, living and fair wage in theory and practice.

Unit – III

Productivity and wage relationship. Asymmetric information and efficiency of labour markets in wage determination; National wage policy, Wages and Wage Boards in India. Industrial Relations- Theories of labour movement; Growth, Pattern and Structure of labour unions in India. Achievements of labour unions; Current trends in collective bargaining.

Unit – IV

Labour legislation in Indian labour laws and practices in relation to international labour standards. State and Labour – State and social security of labour, Concept of social security and its evolution. Labour welfare in India. Child labour. Female Labour. Second National Commission.

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SEMESTER – III
2019-20
ECONOMICS OF GROWTH
Paper – I
Unit – I

Economic Growth: Economic Growth and Development, measurement of Economic growth, Factors affecting Economic Growth, Obstacles to Economic development, Physical Quality of Life Index, Human development index, UNDP Human Development Report 2018 executive summary. Chhattisgarh Human Development Report 2005 executive summary. Gender Development index, Gender empowerment measures.

Unit – II

The concept of Capital Output Ratio, Input-Output Analysis, Project evaluation and Cost-Benefit Analysis, Methods of Project evaluation.

Unit – III

Theories of Development -The classical model- The Adam Smith model, The Ricardian model, The Marxian model. The Schumpeterian model, Keynesian Theory of Development. Mahalanobis four sector model.

Unit – IV

Theories of Development Harrod-Domar Model, Kaldor model of Distribution, John Robinson model of capital accumulation, Meads New- classical model of economic growth, Solow model of long- run growth.

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SEMESTER – III
2019-20
INTERNATIONAL TRADE

Paper – II

Unit – I

Theory of International Trade – Meaning and distinguishing features of Inter- regional and International trade. International Trade as a specific state of inter-regional trade. The Pure Theory of International Trade – Theory of absolute advantage, Ricardian theory of the comparative difference in costs, Refinements of the comparative cost theory. Haberler’s Opportunity Cost Theory, Mill’s Theory of Reciprocal Demand.

Unit – II

Heckscher-Ohlin Theory of International Trade, Factor Price Equalisation, Theorem of International Trade, Stolper-Samuelson and Rybczynski theorems. The Terms of Trade – Concepts, Determination of terms of trade, Factors affecting terms of trade, Terms of Trade & Economic Development, Its empirical relevance and policy implications for less developed countries Terms of Trade & Welfare implications.

Unit – III

The Theory of Intervention – Tariffs, Quotas, and nontariff barriers, Economic effects of tariffs and quotas on national income, output, consumption, price, employment, Terms of trade & Income Distribution. The Stolper-Samuelson Theorem of Tariff on income distribution, The Learner’s Paradox. Nontariff Barriers – Voluntary Export Restraints, Export- subsidy, Counter-vailing duties, other Non-Tariff Barriers, Import Quota vs. Tariff.

Unit- IV

Balance of Payments – Meaning and components of BOP. Equilibrium and disequilibrium in the BOP, Measures to correct the adverse BOP, Marshall-Lerner’s conditions-under devaluation, Expenditure-reducing and expenditure switching policies & direct control. Foreign Trade Multiplier, Foreign Repercussion or Back-Wash Effect. Foreign Exchange Rate-Spot and Forward Exchange Rates, Fixed and Flexible Exchange Rates, their merits and demerits, Hybrid Exchange Rate, Floating Rate of Exchange, Managed Floating system.

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SEMESTER – III
2019-20
PUBLIC FINANCE
Paper – III

Unit– I

Definition, Nature and scope of Public Finance, Role of Public Finance in developing Countries, Principles of Maximum Social Advantages. Taxation – different forms, Principles of taxation, Shifting, effects and incidence of taxation. Impact of Tax under Laws of returns and perfect competition.

Unit– II

Public Revenue: -Indian tax System, Indirect & direct tax, personal income tax, Goods and service tax GST. New Direct Tax, estate duty, central excise, custom duties, taxes on land and agriculture, value added tax, service tax, and Taxable capacity. Tax reform in India.

Unit III

Public Expenditure: - Different forms of expenditure, structure and growth of public expenditure in India, trends in central government expenditure, Economic effect of public expenditure on production and distribution. Public Expenditure and economic growth.

Unit IV

Public Debt – Meaning and Objectives of public debt, Different Sources of Public Debt, Redemption of Public Debt. Principle of Public Debt Management, Growth of Public Debt in India, Burden of Public Debt

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SEMESTER – III
2019-20
ENVIRONMENTAL ECONOMICS
Paper – IV

Unit – I

Welfare Economics – Definition of welfare Economics. Criterion of Social Welfare-Bentham Criteria, Cardinal Criterion, Pareto Optimality Criterion, Kaldor-Hicks Compensation Criterion, The Bergson criterion, The problem of second best.

Unit – II

Social Welfare function, Maximization of social welfare, Maximization in perfect competition, public goods and private goods. Market failure & public goods.

Unit– III

Environmental Economics – Definition of Environmental Economics, Relation between Environmental Economics and Economics, Environmental Economics and Ecological Economics, Environmental and resources Economics, important-issues in Environmental Economics. Macroeconomic policy and Environmental Economics.

Unit–IV

Theories of Externalities – Economies and Diseconomies, External Cost, Marginal social cost, Marginal Private cost. Pigouvian Taxes and Subsidies. Environmental values- use value, option value and nonuse value, international carbon Tax, Environment and W.T.O.

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SEMESTER – III
2019-20
DEMOGRAPHY
Optional Paper – V
Unit – I

Demography – Meaning and importance, Theories of Population – Theory of optimum population and Theory of demographic transition. Measures of population change and distribution – rate of population change and distribution-rate of population change, measures of degree of concentration of population – Lorenz curve and Gini concentration ratio. Women Empowerment - Economic Status, Women in Decision Making, Women and Labour Market; Women Work Participation: Concept and Analysis of Women"s Work Participation

Unit – II

Migration – Kinds, factor affecting migration, Hurdles in migration, Measurement of internal migration, migration rates and ratios. Urbanisation-Factors influencing urbanisation and effects of urbanisation, population and economic development. Human resource development in India.

Unit III

Mortality –Meaning and sources of mortality data, causes of high death rate in India, Trends in death rate in India, Measurement of mortality based on death statistics Crude death rate, Specific death rate, infant mortality rate and standardized death rate, Life table – Functions and construction of life table. Problems related to death rates and life table.

Unit IV

Fertility – Meaning, Causes of high birth rate in India, Trends in birth rate in India, Measurement of fertility and reproduction – Crude birth rate, General fertility rate, Age- Specific Fertility rate, Total fertility rate. Gross reproduction rate and Net reproduction rate. Problems related to fertility and reproduction rates.

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SEMESTER – IV

2019-20 ECONOMICS OF DEVELOPMENT & PLANNING Paper – I

Unit – I

Economic Planning- Objective. Achievements and Failures of Indian Plans, Resource mobilization in Indian Plan, Strategy of Indian Plan, Saving, Capital Formation and overall growth rate, Achievements of five year plans, Twelfth five year plan(2007-12).

Unit – II

Approaches to development – Vicious circle of Poverty, Unlimited Supply of labour model, Big-Push Theory, Theory of critical minimum efforts, Balanced and unbalanced growth. Ranis and Fai model.

Unit – III

Investment criterion in economic development; The social Marginal Productivity criterion, The capital Turnover criterion, The Re-investment criterion, Sen’s Time series criterion, Fiscal policy in economic development.

Unit – IV

Problems of Development; measuring poverty and Income inequalities, unemployment, The choice of techniques, sustainable development, Role of state in Economic development. Problem of Price-rise in India.

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SEMESTER – IV
2019-20
INTERNATIONAL ECONOMICS
Paper – II

UNIT-I

The Theory of Regional Blocks-Forms of Economic Co-operation, reforms for the emergence of trading blocks at the Global level. Static and dynamic effects of a Customs Union and free Trade area, Rational of economic progress of SAARC, SAPTA, ASEAN Regions, Problems and Prospects of forming a customs Union in the Asian Region.

UNIT-II

Regionalism of European Union, NAFTA, Multilateralism and WTO, Functions of WTO, TRIPS, TRIMS, AGRICULTURE, MARKET-ACCES Textile Clothing Patent Rights. Ministerial Conferences of WTO, UNCTAD.

UNIT-III

Theory of short term & long term capital movement and international trade – (1) Port Folio Investment and International trade (2) FDI and International Trade, Merits & Demerits of long term Capital movement in international trade, factors affecting international Capital movement, Need adequacy and determinates of International Reserves.

UNIT-IV

WTO and World Bank from point of view of India, Trade policies of India during five decades Recent change in the Direction and composition of the trade and their implications. Rationale and impact of Reforms since 1991 on BOP, Problems of India's International debt. Export policies of India, working and regulations of MNCs in India.

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SEMESTER – IV
2019-20
PUBLIC ECONOMICS
Paper – III

Unit – I

Fiscal Policy – Objectives of Fiscal Policy in under-developed countries, Economic stability and fiscal policy, fiscal policy and full employment Role of Public Finance in Economic Development, Major Fiscal Function, Concept of Social Goods. Fiscal Federalism in India, Principles of Fiscal Federalism, Vertical and Horizontal Imbalances.

Unit – II

Federal Finance – Principle of Federal finance in India, Centre – state financial Relation, Resource Transfer From Centre to States, Finance commission-Report of Fourteen Finance commission, Gadgil formula.

Unit – III

Budgets and Budgetary procedure in India, Objections of Budget, Kinds of Budget – Performance Budget, Zero Based Budget, Out-Come Budget, Gender Budget, Budget Theory – Classical Viewpoint. Balance Budget, Modern View Point, Imbalanced Budget.

Unit– IV

Analysis of Centre & Chhattisgarh Govt. Budget. Taxable and Non Taxable Income of Chhattisgarh. Performance of the Chhattisgarh government budget. Structure and Growth of Public Expenditure in Chhattisgarh, Revenue Expenditure and Capital Expenditure. Plan & Non Plan Expenditure in Chhattisgarh.

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Unit – I

Pollution – Classification of pollution, Control of pollution, Air Pollution Control, Water Pollution Control, Pollution control strategies, cost-benefit analysis of pollution, Environment and pollution.

Unit– II

Environmental Protection- Environmental laws, Protection of Environment, Environment and Development, Sustainable Development, Population growth and Environmental issues.

Unit III

Resources – Classification of Resources- Renewable resource, Non-renewable resource, optimum use of resources, land resources, forest resources, social forestry, peoples participation in the management of Common and forest land. Energy- Sources of energy, energy efficiency & environment, Alternative sources of energy.

Unit IV

Education-Economics of Education, Expenditure on Education. Productive expenditure on Education. Productivity of Education, The return of Education, Human Capital, Human Capital Vs. Physical capital. Demand for Education, Benefit of Education, Educational planning, Health Economics- Determination of Health care, Malnutrition. The concept of Human life, Inequalities in Health-class and Gender, Prospective HDI, GDI, GEM and HPI.

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