

SEMESTER-VI

ECN-H-C-613-T	PUBLIC FINANCE	(06 Credits, 60 Lectures)
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Credits 06, Lectures 60, Tutorials 15 Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

Instruction to Question Setter for :- Mid Semester Examination (MSE):

1/2 Hrs. One semester internal Assessment (SIA) of 10 marks

End Semester Examination (ESE): Full Marks 80, Time 3 Hrs.

Five Questions have to be answered out of total of nine Questions of 16 marks each. Question no 1 is compulsory. Question No.1A will contain 04 MCQ of 02 mark each. Question No.1B will comprise of 02 short answer type questions of 04 marks each (to be answered in about 100 words each). Any four questions from 2 to 9 are to be answered. Question nos. 2 to 8 shall be of descriptive type of 16 marks each. Question no 9 will be of short note type 4 questions, each carrying 8 marks in which any two should be answered (8x2=16).

Unit 1: Nature and Scope of Public Finance

- 1.1: Meaning and Scope of Public Finance.
- 1.2: Distinction between Private and Public Finance; Public goods and Private goods; Merit goods.
- 1.3: Principle of Maximum Social Advantage.
- 1.4: Market Failure; Role of the government.

Unit 2: Public Expenditure

- 2.1: Meaning, Classification and Principle of Public Expenditure.
- 2.2: Cannons of Public Expenditure; Effects of Public Expenditure.
- 2.3: Causes of Growth of Public Expenditure; Trends in Public Expenditure in India.

Unit 3: Taxation

- 3.1: Sources of Public Revenue.
- 3.2: Taxation: Meaning, Cannons of Taxation; Classification of Taxes.
- 3.3: Division of tax burden—The Benefit Approach; Ability-to-Pay Approach.
- 3.4: Impact and Incidence of Taxes.
- 3.5: Taxable Capacity.
- 3.6: Effects of Taxation on production and distribution.
- 3.7: Characteristics of a good Tax System.
- 3.8: Major trends in tax revenue of the Central and State Governments in India.
- 3.9: Tax reforms; GST and VAT

Unit 4: Public Debt and Financial Administration

- 4.1: Public Debt: Meaning, Types, Sources and Need.
- 4.2: Effects of Public Debt; Burden of Public Debt.

4.3: Methods of Debt Redemption.

4.4: The Public Budget—Kinds of budget; Economic and Functional Classification of Budget.

Unit 5: Financial decentralization in India

5.1: Centre-State Financial Relationship.

5.2: Role of Finance commission.

5.3: Features of current Finance Commission.

Suggested Readings-

1. S.K. Singh- Lok Vitt(Hindi), S Chand
2. S.K.Singh- Public Finance in Theory & Practice, S Chand
3. Musgrave R.A. & Musgrave P.B.- Public Finance in theory and Practice Mc Graw Hill
4. H L Bhatia Public Finance, Vikas Publishing House
5. H L Bhatia Lok Vitt, Vikas Publishing House
6. K P M Sundharam & K K Andley- Public Finance, S Chand
7. Dr B P Tyagi- Public Finance- Jai Prakash Nath & Co.

SEMESTER-VI

ECN-H-C-614-T	HUMAN DEVELOPMENT DIMENSIONS & INDIA	(06 Credits, 60 Lectures)
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Credits 06, Lectures 60, Tutorials 15 Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

Instruction to Question Setter for :- Mid Semester Examination (MSE):

1/2 Hrs. One semester internal Assessment (SIA) of 10 marks

End Semester Examination (ESE): Full Marks 80, Time 3 Hrs.

Five Questions have to be answered out of total of nine Questions of 16 marks each. Question no 1 is compulsory. Question No.1A will contain 04 MCQ of 02 mark each. Question No.1B will comprise of 02 short answer type questions of 04 marks each (to be answered in about 100 words each). Any four questions from 2 to 9 are to be answered. Question nos. 2 to 8 shall be of descriptive type of 16 marks each. Question no 9 will be of short note type 4 questions, each carrying 8 marks in which any two should be answered (8x2=16).

Unit 1 Introduction

- 1.1 Meaning and Importance of Human Development ; Indicators of Human Development
- 1.2 Human Development and Economic Development- two way linkage
- 1.3 Human Development - Components; Human Development Indices- HDI, PQLI,MPI

Unit II Health and Development

- 2.1 Health: Meaning; Determinants of health; Measures of health; Importance of Health in Economic Development
- 2.2 Nutrition: Meaning; Components; Relationship between Nutrition and health Malnutrition ; Life expectancy
- 2.3 Inequalities in Health in India with special reference to Sex, Residential Status(Urban/Rural)

Unit III Education and Development

- 3.1 Education: Meaning ,Importance of Education in Economic Development
- 3.2 Measures of Education : Enrolment Ratio- Gross and Net ; Meaning and importance of Literacy ; Meaning and concepts of Literacy Rates- Literacy rate, Adult Literacy rate, Youth literacy rate, Female literacy rate
- 3.3 New Education Policy 2020

Unit IV Gender Dimensions in Human Development

- 4.1 Importance of women in economic development; Meaning of women empowerment; Importance of women empowerment
- 4.2 Health of Women: Importance; India's Gender bias in health, nutrition, Sex ratio
- 4.3 Education of women: Importance; Gender differences in literacy rates, enrolment , dropouts in India
- 4.4 Social and Economic causes of poor health and education of women in India
- 4.5 Income of women- Extent of inequality in India and causes.

4.6 Measures of Gender inequality : Gender-related Development Index(GDI), Gender Inequality index (GII)

Unit V Human Development in India

5.1 India Human Development Report; Trend of Human Development Index in India; Reasons for recent improvement in India's HDI

5.2 India's HDI rank and reasons for low ranking; Poverty in India- India's Human Poverty Index (HPI) and Multidimensional Poverty Index (MPI) ; Ginni coefficient of income Inequality in India; Gender inequality index(GII) in India

5.3 India's initiatives for human development- Sarv-Siksha Abhiyan; Aayushmaan Bharat; National Food Security Mission; Pradhan Mantri Jan Dhan Yojna; Kaushal Vikas Yojna

Suggested Readings

1.Human Development Reports (UNDP)

2.Arya P P and B B Tandon(Eds) Human Resource Development; Deep and Deep; New Delhi

3. Himanshu Shekhar Rout and S B Murthy; Human Development in India: Challenges and Policies; New Century Publications

4.Goel S L and P N Gautam; Human Resource Development in the 21st Century- Concept and Case Studies; Deep and Deep Pub; New Delhi

5.Himanshu S Rout and Padmaja Mishra; Social Sector in India- Issues and Challenges;

6.Dr Jeyasingh , Dr Solomon Raj and Dr D J Josephine; Health Economics; Creative Crows Publisher LLP

7.Abhijit Banerjee and Esther Duflo; Poor Economics; Public Affairs Publication

SEMESTER-VI

ECN-H-DSE-603A-T/ ECN-H-DSE-603B-T/ ECN-H-DSE-603C-T	ADVANCED MATHEMATICAL ECONOMICS / LEADING ISSUES IN INDIAN AGRICULTURE / INDIAN BANKING & FINANCIAL SYSTEM	(06 Credits, 60 Lectures)
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Semester VI

ECN-H-DSE-603A-T

ADVANCED MATHEMATICAL ECONOMICS

Credits 06, Lectures 60, Tutorials 15 Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

Instruction to Question Setter for :- Mid Semester Examination (MSE):

1/2 Hrs. One semester internal Assessment (SIA) of 10 marks

End Semester Examination (ESE): Full Marks 80, Time 3 Hrs.

Five Questions have to be answered out of total of nine Questions of 16 marks each. Question no 1 is compulsory. Question No.1A will contain 04 MCQ of 02 mark each. Question No.1B will comprise of 02 short answer type questions of 04 marks each (to be answered in about 100 words each). Any four questions from 2 to 9 are to be answered. Question nos. 2 to 8 shall be of descriptive type of 16 marks each. Question no 9 will be of short note type 4 questions, each carrying 8 marks in which any two should be answered (8x2=16).

UNIT 1: Elementary Concepts

- 1.1: Role of Mathematics in Economics
- 1.2: Set Theory: Use of Venn Diagrams and Cartesian Products

UNIT 2: Differentiation and its Application

- 2.1: Differentiation: Rules and Higher Order Derivatives
- 2.2: Elasticity of a function: Price Elasticity of Demand and Supply; Relationship between Elasticity of Demand, Average Revenue & Marginal Revenue
- 2.3: Equilibrium: Concept of Equilibrium of the Firm under Monopoly and Duopoly Market, Effects of Taxation and Subsidy on Monopoly

UNIT 3: Partial and Total Derivatives

- 3.1: Partial Differentiation: Techniques of Partial Differentiation; Second Order Partial Derivatives and Young's Theorem
- 3.2: Economic Applications of Partial Derivatives – Partial Elasticity of Demand , Marginal Utility, Short Run and Long Run Production Functions Homogeneous Functions, Euler's Theorem and Properties of Cobb-Douglas Production Function
- 3.3 Total Differential: Techniques of Total Differential, Maxima – Minima of Functions Involving two or more variables through Hessian Determinant Approach

- 3.4: Economic Application of Total Differentiation – Constrained Equilibrium of Consumer through MU and Indifference Curve Approach and Equilibrium of Producer through Output Maximization and Cost Minimization Approach by using Lagrange Method

UNIT 4: Integration and its Application

- 4.1: Integration: Definite And Indefinite Integrals
- 4.2: Economic Applications of Indefinite Integration: Marginal propensity to save, Marginal propensity to consume, Capital Formation
- 4.3: Economic Application of Definite Integration: Consumer's surplus; Producer's Surplus

Unit 5: Differential Equation and Difference Equation

- 5.1: Differential Equation: Concept and Solution of First Order Differential Equation- General and Particular
- 5.2: Economic Application of Differential Equation: Capital Accumulation, Market Equilibrium through simple Demand & Supply Model
- 5.3: Difference Equation: Concept & Solution of First Order Difference Equation
- 5.4: Economic Application of Difference Equation: Simple Cobweb Model

Suggested Readings:

- 1) Sydsaeter K. and Hammond P., Mathematics for Economic Analysis, Pearson Educational Asia : Delhi
- 2) Chiang A.C.and Kevin Wainright , Fundamental Methods of Mathematical Economics , McGraw Hill
- 3) Allen. R.G.D., Mathematical Analysis for Economics, All India Publishers and Distributors
- 4) Edward T. Dowling Introduction to Mathematical Economics, McGraw Hill
- 5) Mehta B.C. & Madnani G.M.K., Mathematics for Economists, Sultan Chand & Sons ,New Delhi
- 6) Bhardwaj R S, Mathematics for Economics and Business , Excel Books , New Delhi

Semester VI

ECN-H-DSE-603B-T

LEADING ISSUES IN INDIAN AGRICULTURE

Credits 06, Lectures 60, Tutorials 15 Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

Instruction to Question Setter for :- Mid Semester Examination (MSE):

1/2 Hrs. One semester internal Assessment (SIA) of 10 marks

End Semester Examination (ESE): Full Marks 80, Time 3 Hrs.

Five Questions have to be answered out of total of nine Questions of 16 marks each. Question no 1 is compulsory. Question No.1A will contain 04 MCQ of 02 mark each. Question No.1B will comprise of 02 short answer type questions of 04 marks each (to be answered in about 100 words each). Any four questions from 2 to 9 are to be answered. Question nos. 2 to 8 shall be of descriptive type of 16 marks each. Question no 9 will be of short note type 4 questions, each carrying 8 marks in which any two should be answered (8x2=16).

UNIT 1: RURAL ECONOMY OF INDIA

- 1.1: Structure of Indian economy; place of agriculture in rural economy; composition of the Indian rural economy;
- 1.2: Farm sector and non-farm sector;
- 1.3: Diversification of Agriculture; Agriculture and Allied Activities (Fisheries, Horticulture, Floriculture); In India its Growth, Problems and State Policies, Cattle Wealth of India and Dairying.
- 1.4: Rural Industrialization: Food Processing and Agro Based Industries; Development of Rural Infrastructure.

UNIT 2: DEVELOPMENT OF AGRICULTURE

- 2.1: Agricultural Resources in India: Land Utilization, Cropping Pattern
- 2.2: Irrigation in India, Command Area Development And Flood Control
- 2.3: Trends in Agriculture Growth and Agriculture Productivity; Pattern of Agricultural Development: Regional Variation Agrarian Relations
- 2.4: Land reforms and Agricultural Labor in India Agrarian relations, Historical Evolution. Land Reforms Program during Post Independence in India;
- 2.5: Agricultural labor, characteristics and problems.

UNIT 3: TECHNOLOGICAL CHANGES IN AGRICULTURE

- 3.1: Technological Advancement in agriculture; traditional techniques and practices; HYV seeds – fertilizer, water technology (Green Revolution);
- 3.2: Sustainable Agriculture; Emerging Trend in Agricultural Technology;
- 3.3: Dry Land Farming; Use of Bio-Technology Techniques

UNIT 4: STATE AND AGRICULTURE

- 4.1: Agriculture Planning in India: Decentralized Planning and Indicative Planning
- 4.2: Incentives in Agriculture; Price and Non- Price Incentives; Input Subsidies; Agriculture Price Policies(APP)
- 4.3: Agricultural Marketing in India, Nature of Demand and Supply of Agricultural Products, Need for State Intervention
- 4.4: Food Security in India and Public Distribution System.

Basic Readings-

1. C.B. Memoria, Agricultural Problems of India, Kitab Mahal
2. R.K. Lekhi, Joginder, Agricultural Economics – An Indian Perspective, Kalyani Publication.
3. J.K. Prasad, Agriculture in India – Institutional Structure and Reforms, New Century Publication.
4. Sadhu & Singh, Fundamentals of Agricultural Economics, Himalyan Publication House.
5. Dutt and Mahajan: Indian Economy
6. Mishra, S.K.& V.K. Puri: Indian Economy
7. Govt. of India: Economic Survey
8. Mishra & Puri: Bhartiya Arth Vawastha

Semester VI

ECN-H-DSE-603C-T

Indian Banking and Financial System

Credits 06, Lectures 60, Tutorials 15 Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

Instruction to Question Setter for :- Mid Semester Examination (MSE):

1/2 Hrs. One semester internal Assessment (SIA) of 10 marks

End Semester Examination (ESE): Full Marks 80, Time 3 Hrs.

Five Questions have to be answered out of total of nine Questions of 16 marks each. Question no 1 is compulsory. Question No.1A will contain 04 MCQ of 02 mark each. Question No.1B will comprise of 02 short answer type questions of 04 marks each (to be answered in about 100 words each). Any four questions from 2 to 9 are to be answered. Question nos. 2 to 8 shall be of descriptive type of 16 marks each. Question no 9 will be of short note type 4 questions, each carrying 8 marks in which any two should be answered (8x2=16).

Unit 1: Banking System

- 1.1: Balance Sheet and Portfolio Management
- 1.2: Indian Banking System: Evolution, structure and changing role
- 1.3: Nationalisation of Banks; Bank Mergers
- 1.4: Public and Private Banks in India

Unit 2: Central Bank and Monetary Policy

- 2.1: Central Bank: Functions and objectives; balance sheet; goals, targets
- 2.2: Role and Functions of RBI: Development and Regulatory functions.
- 2.3: Instruments of monetary control; monetary management in an open economy
- 2.4: Monetary Policy: Objectives and Limitations; Current Monetary Policy of RBI
- 2.5: Policy Reforms in Indian Banking: Banking Sector Reforms- Narasimhan committee Report I and II
- 2.6: Classification of Assets and Provisioning, NPA – Causes and Remedial Measures

Unit 3: Introduction to Indian Financial System

- 3.1: Significance and Definition
- 3.2: Purpose and Organisation
- 3.3: Liberalisation of the financial system
- 3.4: Non-Banking Financial Institutions in India
- 3.5: Rural Banking in India
- 3.6: Financial Inclusion: Concept; Importance; Recent Government initiatives

Unit 4:Financial Institutions in India

- 4.1: Importance of Financial System in India.
- 4.2: Financial Institutions in India: Function and Growth.
- 4.3: Measures to Liberalise Financial System.
- 4.3: Banking and Financial Sector Reforms: Impact on Economic Growth in India.

Suggested Readings-

1. M.Y. Khan , Indian Financial System, Tata McGraw Hill
2. David G. Luenberger, Investment Science, Oxford University
3. Thomas E. Copeland, J. Fred Weston and Kuldeep Shastri, Financial Theory and Corporate Policy, Prentice Hall.
4. S. Natarajan & R. Parmeshwaran, Indian Banking, S. Chand, New Delhi
5. Bharti V. Pathak, Indian Financial System , Pearson.
6. Padmalatha Suresh and Justin Paul, Management of Banking and Financial Services, Pearson.
7. Banking : An Introduction, Indian Institute of Banking and Finance.
8. Various Latest Issues of RBI Bulletins, Annual Reports, Reports on Currency and Finance.

SEMESTER-VI

ECN-H-DSE-604A-T/ ECN-H-DSE-604B-T/ ECN-H-DSE-604C-T	INTRODUCTORY ECONOMETRICS / DEMOGRAPHY / JHARKHAND ECONOMY	(06 Credits, 60 Lectures)
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Semester VI

ECN-H-DSE-604A-T

INTRODUCTORY ECONOMETRICS

Credits 06, Lectures 60, Tutorials 15 Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

Instruction to Question Setter for :- Mid Semester Examination (MSE):

1/2 Hrs. One semester internal Assessment (SIA) of 10 marks

End Semester Examination (ESE): Full Marks 80, Time 3 Hrs.

Five Questions have to be answered out of total of nine Questions of 16 marks each. Question no 1 is compulsory. Question No.1A will contain 04 MCQ of 02 mark each. Question No.1B will comprise of 02 short answer type questions of 04 marks each (to be answered in about 100 words each). Any four questions from 2 to 9 are to be answered. Question nos. 2 to 8 shall be of descriptive type of 16 marks each. Question no 9 will be of short note type 4 questions, each carrying 8 marks in which any two should be answered (8x2=16).

Unit –I: Introduction

- 1.1 Nature , Scope and Division of Econometrics
- 1.2 Methodology of Econometrics
- 1.3 Distinction between Economic Model and Econometric Model
- 1.4 Concept of Stochastic Relation , Role of Random Term in Econometric Model

Unit –II: Simple Linear Regression Model

- 2.1: Assumptions of Simple Linear Regression Model
- 2.2: Concept of Population Regression Function, Sample Regression Function and Estimation of Model by the Method of Ordinary Least Squares
- 2.3: Properties of OLS Estimators, Gauss Markov Theorem
- 2.4: Test of Significance of the Parameters
- 2.5: Coefficient of Determination

Unit –III: Multiple Linear Regression Model

- 3.1: Estimation of Parameters of Multiple Linear Regression Model
- 3.2: Statistical Properties of Parameters
- 3.3: Test of Significance of the Parameters
- 3.4: Goodness of Fit – R² and Adjusted R²
- 3.5: Analysis of Variance (ANOVA) and Regression

Unit –IV: Violation of Classical Assumptions

- 4.1: Heteroscedasticity – Causes, Consequences, Test and Remedial Measures
- 4.2: Autocorrelation - Causes, Consequences, Durbin– Watson Test, Remedial Measures, First Order Autoregressive Scheme, Mean, Variance and Co-variance of Auto correlated Us

4.3: Multicollinearity - Causes, Consequences, Test and Remedial Measures

Suggested Readings-

- 1) Johnston J., *Econometrics Methods*, McGraw Hill
- 2) Damodar N. Gujarati, *Basic Econometrics* , Tata McGraw Hill
- 3) William H. Greene , *Econometric Analysis* , Pearson Education
- 4) D. N. Gujarati and D.C. Porter , *Essentials of Econometrics* , McGraw Hill , 4th Edition, International Edition , 2009
- 5) G. S. Maddala, *Introduction to Econometrics* , Wiley India
- 6) A. Koutsoyiannis , *Theory of Econometrics*, ELBS with Macmillan

SEMESTER VI

ECN-H-DSE-604B-T

DEMOGRAPHY

Credits 06, Lectures 60, Tutorials 15 Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

Instruction to Question Setter for :- Mid Semester Examination (MSE):

1/2 Hrs. One semester internal Assessment (SIA) of 10 marks

End Semester Examination (ESE): Full Marks 80, Time 3 Hrs.

Five Questions have to be answered out of total of nine Questions of 16 marks each. Question no 1 is compulsory. Question No.1A will contain 04 MCQ of 02 mark each. Question No.1B will comprise of 02 short answer type questions of 04 marks each (to be answered in about 100 words each). Any four questions from 2 to 9 are to be answered. Question nos. 2 to 8 shall be of descriptive type of 16 marks each. Question no 9 will be of short note type 4 questions, each carrying 8 marks in which any two should be answered (8x2=16).

Unit 1: Population and Development

- 1.1 Meaning and Scope of Demography.
- 1.2 Population Growth: Meaning, Component and Measurement.
- 1.3 Theories of population- Malthus theory, Optimum theory, Theory of Demographic transition.

Unit 2: Techniques of Analysis of Population Data

- 2.1. Fertility: Meaning, Importance of study of fertility, Concept of Crude Birth Rate, Total Fertility Rate, Gross Reproduction Rate and Net Reproduction Rate Factors affecting fertility rate, Trend of fertility ratio India.
- 2.2. Nuptiality- Meaning, Concept, Marital status, Trends in age at marriage in India.
- 2.3. Mortality –Meaning, Concept of Death rates, Crude and Age specific, Infant mortality rate, Maternal Mortality rate, Factors for decline in mortality in recent past.

Unit 3 Population Indices

- 3.1. Life table, Basic concept of life table, type and forms of life table, Preparation of life table.
- 3.2. Population Pyramid, Concept, Construction & its Significance,
- 3.3 Population Projection: stable and stationary population.
- 3.4: Concepts of population Cohort ; Meaning and components of Vital Statistics, 'de facto ' and 'de jure' Census of a area

Unit 4: Sources of Demographic Data in India

- 4.1: Sources of Demographic data: Census, Registration ans Sample Survey- Their relative merits and demerits

- 4.2: Population census, methodology and characteristics of census, nature of information collected in 1971, 1981, 1991, 2001 and 2011.
- 4.2: Registration method in India
- 4.3: NSSO and its Rounds, MOSPI and Demographic data

Unit 5: Population Policy in India

- 5.1. Evolution of population policy in India, The shift in policy from population control to family welfare, to women empowerment.
- 5.2. The new population policy

Suggested Readings-

1. J.N. Desai, M.L. Jhingan, and B.K. Bhatt (2003) Demography, Vrinda Publications.
2. Mishra,J.,(2016) : Demography , Sahitya Bhawan Publications.
3. Preston, S., Heuveline, P., and Guillot, Michel (2000): Demography Measuring and Modeling Population Processes.
4. Sinha,V. C. and Sinha,P., (2018) Demography, SBPD Publication.
5. Weinstein, Jay and Pillai, Vijayan K. (2000): Demography: The Science of Population.

SEMESTER VI

ECN-H-DSE-604C-T

JHARKHAND ECONOMY

Credits 06, Lectures 60, Tutorials 15 Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

Instruction to Question Setter for :- Mid Semester Examination (MSE):

1/2 Hrs. One semester internal Assessment (SIA) of 10 marks

End Semester Examination (ESE): Full Marks 80, Time 3 Hrs.

Five Questions have to be answered out of total of nine Questions of 16 marks each. Question no 1 is compulsory. Question No.1A will contain 04 MCQ of 02 mark each. Question No.1B will comprise of 02 short answer type questions of 04 marks each (to be answered in about 100 words each). Any four questions from 2 to 9 are to be answered. Question nos. 2 to 8 shall be of descriptive type of 16 marks each. Question no 9 will be of short note type 4 questions, each carrying 8 marks in which any two should be answered (8x2=16).

UNIT 1: Jharkhand Economy and it's Growth

- 1.1 Evolution of Jharkhand economy; Structure and basic features of Jharkhand's Economy; Sectoral composition
- 1.2 Growth in SDP and per capita NSDP since 2000
- 1.3 Composition, Production and Productivity in Agriculture in Jharkhand; Agricultural Growth in Jharkhand.
- 1.4 Major Industries of Jharkhand; Industrial growth in Jharkhand ; Main problems of Industrial development in Jharkhand

UNIT 2: Demographic features of Jharkhand

- 2.1 Population growth, density, and Regional distribution
- 2.2 Literacy, Sex Ratio, Composition of work force, rural urban composition - their present status and change with Special Reference Census 2001 and 2011; Their Inter district variations
- 2.3: Tribal population in Jharkhand: main tribes; Demographic features of tribal population in the state;
- 2.4: Problems of human trafficking, Witch hunting

UNIT 3: Poverty and Unemployment in Jharkhand

- 3.1 Status of poverty in Jharkhand; Major Poverty Alleviation Programs in Jharkhand and their outcomes, MGNREGA, PMGSY, NRLM,
- 3.2 Unemployment in Jharkhand- status and trend in Rural and Urban areas
- 3.3 Status of food security in Jharkhand ; , Food security schemes ; Child and Women malnutrition in Jharkhand
- 3.4 Status of Education and Health indicators in Rural and Urban areas of Jharkhand- literacy rates, Enrollment Ratios, Mortality rates, Maternal mortality rates, Child Mortality rates in Jharkhand etc and.

UNIT 4: Land, forest and environmental issues in Jharkhand

- 4.1 Land reforms and agrarian Relations
- 4.2 Tribal and alienation,
- 4.3 Development induced displacement : impacts and Policy initiatives
- 4.4 Forest issues and implementation of FRA, 4.5 Environmental Degradation and policy in the state

UNIT 5: Migration and Urbanisation in Jharkhand

- 5.1 Rural- Urban migration and Intra state migration in Jharkhand
- 5.2 Causes of migration in Jharkhand- push and pull factors; Effect of Migration on rural sector and urban sector
- 5.3 Government Programs to prevent migration
- 5.4 Meaning of Urbanisation; Urbanisation in Jharkhand- status and trend ; causes and consequences of rising urbanisation in the state

UNIT 6: Five year plans in Jharkhand

- 6.1 Strategy and achievement in X and X1 plan, TSP and SCSP
- 6.2 Public Finance trends in Jharkhand
- 6.3 Industrial policy in Jharkhand

Suggested Readings:

- 1. Jharkhand Samanya gyan ; Manish Ranjan
- 2. Micro Planning of Jharkhand; KunalVikram
- 3. Jharkhand -Land and People, Raj Kumar and S Ram, Arjun publication
- 4. Jharkhand- A State Study Guide, Neeraj Kumar Jha, Jeevonsons Publications District Gazetteer of Jharkhand , S C Bhat, Gyan Publishing House
- 6. Development of Bihar and Jharkhand, Sharat Kumar, Pravin Kumar Jha, Shipra Publications