

Department of Economics
Satavahana University, Karimnagar(TS) India



Pre- Ph.D Syllabus

Paper-I: Research Methodology
(Compulsory Paper)

Paper – II (Optionals):
(One elective from- Paper - II respectively)

1. **Agriculture and Rural Development**
2. **Industrial & Environmental Studies**
3. **Development Studies**

**DEPARTMENT OF ECONOMICS
SATAVAHANA UNIVERSITY-KARIMNAGAR**

**Pre-Ph.D Syllabus
(Economics)**

**PAPER-I
Research Methodology**

Unit-I

Research Methodology: An Introduction -Meaning of Research- -Research Methods versus Methodology; Criteria of Good Research. Research Design: Meaning of Research Design-Need for Research Design -Features of a Good Design; Sampling Design-Census and Sample Survey-Steps in Sampling Design-Criteria of Selecting a Sampling Procedure-Characteristics of a Good Sample Design. Collection of data-questionnaire and schedules, formal and informal discussions, cross verification.

Unit-II

Testing of Hypotheses-Basic Concepts Concerning Testing of Hypotheses-Procedure for Hypothesis Testing -Important Parametric Tests-Hypothesis Testing of Means-Hypothesis Testing of Correlation Coefficients-Limitations of the Tests of Hypotheses. Chi-square Test - Chi-square as a Non-parametric Test -Conditions for the Application of χ^2 Test-Steps Involved in Applying Chi-square Test-Conversion of χ^2 into Coefficient by Contingency Important Characteristics of χ^2 Test.

Unit-III

Tools of Research: Calculation of growth rates-linear, semi log, double log, two/sub period growth rates, compound growth rate for 2 end- points. Construction of capital at constant prices from current series; Measure of inequality-Standard Deviation, Coefficient of Variation, Lorenz Curve & Gini Coefficient.

Unit-IV

Correlation & Regression-Bivariate & Multivariate, interpretation of coefficients, signs, R^2 , \bar{R}^2 , Standard Error, tests of significance; Introduction to Computation; Statistical Package for Social Sciences-Use of SPSS package for generation of Descriptive Statistics.

Unit-V

Interpretation and Report Writing-Meaning of Interpretation -Technique of Interpretation: Precaution in Interpretation-Significance of Report Writing-Different Steps in Writing Report-Types of Reports-Mechanics of Writing a Research Report-Precautions for Writing Research Reports.

REFERENCES:

1. C.R. Kotari: Research Methodology Methods and Techniques, New Age International (P)Ltd.,NewDelhi-2004
2. CT Curien (ED.): Guide to Research in Economics, Sangam Publishers, Madras, 1973
3. Ignacy Sacha: Main Currents inEconomics, UNESCO/MA
4. L A Boland: The Foundations of Economic Method, Londaon, Allen and Unwin.1982
5. B.Caldwell: Beyond Positivism:economic Methodology in the Twentieth Century, Allen and Unvin, 1982.
6. I.Naletov: Alternatives to Positivism Moscow, Progress Publishers, 1984.

Pre-Ph.D Syllabus
Paper –II (Optional) (1) Agriculture and Rural Development

Unit-I

Importance of agriculture –Role of agriculture in Indian Economy-Need of agriculture for industrial development- Share of agriculture in the economy -Terms of Trade between agriculture and Industry. Farm Size & Productively Relationship.

Unit-II

Agriculture Production and Productivity-Effects of Technology and changes-Agricultural wages-Cost of production in Agriculture-Pricing of Products in agriculture-mechanization of agriculture and labour absorption –Diversification of agricultural economic activities-Food Security and Agro-based industries –Inclusive growth.

Unit-III

E- NAM, Doubling of Farm Income-Methods, Agri-Business- Characteristics of Agri-Business, Difference between farm and non-farm business management. Role of Management at Various levels right from crop planning to disposal of the product.

Unit-IV

Rural development vis-à-vis Agricultural development-Gandhian Approach to rural development-Experiences of Japan, China on rural development - Participation and problems of women, and child laborers in rural areas- Institutional and non-institutional sources of agriculture credit – Pattern of ‘credit – utilization and Recovery .

Unit-V

Rural development & Basic Issues-Rural indebtedness-Role of MGNREGS in mitigating rural debt – Role of irrigation in rural development - Diversification of agriculture, dry land farming- Poverty and employment Alleviation programmes - Role of voluntary agencies - Social assistance programmes of GOI.

Books and References:

1. K. Bhardwaj : Production conditions in Indian Agriculture
2. A. Rudra : Relative rates of growth; Agriculture & Industry
3. Kotovsky : Agrarian reforms in India.
4. P.C. Joshi : Land Reforms in India
5. CH. Hanmantha Rao : Technological Changes and Distribution of Gains in Indian Agriculture
6. Robert Chambers : Rural Development
7. Sarthar Aziz : Rural Development, China, India & Bangladesh.

Pre-Ph.D Syllabus
Paper – II (Optional) (2) Industrial & Environmental Studies

Unit-I

Theories of Pattern of Industrialization: Theories of Hoffman, Chenary & Gershen Kron, Concept & Measurement of Industrial Productivity- Industrial growth during planning era- Regional imbalances in Industrial growth- Industrial Policies in India.

Unit-II

Market Structure & Market Performance: Classification of Industries, Service Sector led Growth- Privatization- Disinvestment - Industrial sickness – Source of Industrial Finance - Development of Small Scale & Cottage Industries, Project Evaluation- methods & stages of Project Evaluation, Cost-Benefit Analysis-NPV and IRR Criteria.

UNIT-III

Industrial Development in Telangana State: Industrial Development; structure and Growth of Industrial Sector, Industrial Infrastructure, Industrial Policy of Telangana.

Unit-IV

Theories of Natural Resource Management and Sustainable Development: Material Balance and Entropy Law. – Hotelling's Theory of Exhaustible Resources, Das Gupta & Heal, Optimal Depletion of Renewable Resources.- Concept of Sustainable Development, Rules of Sustainable Development, Weak Vs Strong Sustainability Criteria, Theories of Sustainable Development.

Unit-V

Measurement of Environmental Values & Policy: Market inefficiency and externalities, concept of total economic value, direct and indirect methods of Environmental Valuation, Environmental impact assessment and report, Environmental Audit – Mechanism for environment regulation, Environmental laws and their implementation in India, Global Environmental Policies.

Books and References:

1. Ranjana Seth, Industrial Economics, Ane Book Pvt.Ltd, NewDelhi.
2. Baumol, W.J : Economics and Environmental Policy and Quality of life - Prentice Hall, 1979.
3. Baumol, W.J : Theory of Environmental Policy - Cambridge University Press, 1989
4. Das Gupta, P.S &
5. G.M. Heal : The Economic Theory of exhaustible resources Cambridge University Press, 1989
- 6 D. Reid : Sustainable Development, Earth scan
Turner, Pearce & Bateman
7. Bateman : Environmental Economics, Harvester - Wheat sheaf
8. Dhingra : Indian Economy (Environment & Policy)
9. Ch. Hanmantha Rao: Agricultural Growth, Rural Poverty and Environmental Degradation in India, OUP, 1994
10. L.C. Hempel : The Global Challenges, EWP
11. D. Reid : Sustainable Development, Earth scan
Turner, Pearce & Bateman
12. Bateman : Environmental Economics, Harvester - Wheat sheaf
13. Dhingra : Indian Economy (Environment & Policy)
14. Ch. Hanmantha Rao: Agricultural Growth, Rural Poverty and Environmental Degradation in India, OUP, 1994
15. L.C. Hempel : The Global Challenges, EWP
16. Rajyalaxmi : Environmental Economics

Pre-Ph.D Syllabus
Paper – II (Optional) (3) Development Studies

Unit-I

Historical Legacy of Developing Countries: Agrarian and Industrial Structures: Pattern of development in 3rd World Countries- Structural changes and Economic Reforms - Relative significance of Agriculture, Industries and Service sectors- Foreign Investment and Aid to Developing Countries -Role of World Bank in the Economic Development of 3rd World Countries.

Unit-II

Poverty and Unemployment – Measurement of Unemployment & Poverty various components of Human Development Index - PQLI, New Millennium Goals and Objectives – Inclusive growth & sustainable Development.

Unit-III

Introduction to Economics of Health and Education: Definition and Scope of Economics of Health and Education, Financing and Institutional Issues in Health Care- Implications of GATS for Health Sector and Financing. Cost of Education-Expenditure on Education, Cost-Benefit Analysis in Education, Educational Planning, Implications of GATS on Indian Education and Financing.

Unit-IV

Fiscal Policy: Fiscal Policy in Developing Countries –The role of Deficit financing - The burden of debt on developing countries – Trends in major taxes of India - Financial sector reforms- Project evaluation and cost benefit analysis – Centre/State Financial Relations in India.

Unit-V

Trade Policies and Economic development: -Theories of Terms of Trade- Prebisch, Singer, The Rybezynski Theorem and unequal hypothesis- A.G. Frank, Samir Amin - Concept and Policy implication of immiserizing growth - Export growth strategy- India's Foreign Trade Policy - Trade Policy and Economic Development - Foreign and Multinational Nationals and Transfer of Technology.

Books and References:

1. I.M.D. Little : Project Appraisal and Planning for Developing countries
2. A.R. Prest : Public Debt and Economic Development
3. R. Jha : Public Finance
4. Daniel Thorner : Land and Labour in India.
5. Bimal Jalan : Indian Economy - Problems and Prospects
6. A.K. Sen : India's Economic Development - some regional Dimensions.
7. P.K. Bardhan : The Political Economy of Development in India, Oxford University Press, (1999)
8. Sen, A (1972) : Guideline for project Evaluation, Indo Publications

Model Question Paper

For

Paper-I and Paper-II

Time: 3 Hours

Total Marks: 100

Answer all questions

(5X20=100)

I. A.

OR

B.

II. A.

OR

B.

III. A.

OR

B.

IV. A.

OR

B.

V. A.

OR

B.