

Department of Economics
Kakatiya University, Warangal

Pre-Ph.D, Syllabus w.e.f the Academic Year 2023 – 2024

Paper – I: RESEARCH METHODOLOGY AND PUBLICATION ETHICS

- Unit – I **Introduction**– Foundations of Research: Meaning, Objectives, Motivation, Utility. Concept of theory, empiricism, relationship between theory & empiricism, deductive and inductive theory. Characteristics of scientific method - Understanding the language of Research - Concept, Construct, Definition, Variable. Types of Research – Steps in Research Process – Research Methodology – Criteria for Good Research – Research Problem identification, sources and formulation of a research problem - Research Design: Need – Components of a Research Design - Review of Literature – Identification of gaps in existing literature and objective formulation.
- Unit –II **Sampling Design, Sources of Data, Questionnaire Design**: Concept of Sampling, Types of sampling (Random and Non-Random) – Determination of Sample size – Characteristics of a good sampling – Sampling and non-sampling Errors – Measurement & Scaling – Types of Scales: Comparative & Non-Comparative – Validity and Reliability - Levels of measurement -Nominal, Ordinal, Interval, Ratio – Sources of Data (Primary Vs Secondary) – Questionnaire types (open ended Vs Closed Ended), Questionnaire Design steps, characteristics of a good questionnaire, Questionnaire checklist.
- Unit –III **Analysis of Data, Hypothesis Testing & Report Writing**: Editing – Coding – Tabulation - Tools of Analysis – Descriptive Vs Inferential, Univariate, Bivariate and Multivariate tools of Analysis - Hypothesis concept – features, significance, types, determination of levels of significance, degrees of freedom – Type I & Type II Errors, Power of a Test, Steps in Hypothesis Testing- Parametric and Non-Parametric tools of Analysis – simple and multiple regression and its diagnostic tests – Choice of appropriate tools of analysis. Fallacies of Interpretation - Report writing – contents of a report – Characteristics of a good report – precautions for writing the report – Citation – Bibliography & references – Structural Equation Model – Applications of SPSS.
- Unit –IV **Publication Ethics: Philosophy and Ethics**: Introduction to philosophy: definition, nature and scope, concept, branches. **Ethics**: Definition, moral philosophy, nature of moral judgments and reactions. **Scientific Conduct**: Ethics with respect to research in science disciplines and research in social sciences, Intellectual honesty and research integrity, **Scientific Misconducts**: Falsification, Fabrication and Plagiarism (FFP), **Redundant Publications**: Duplicate and overlapping publications, salami slicing, Selective reporting and misrepresentation of data. **Publication Ethics**: Definition, importance, Best practices / standards setting initiatives and guidelines: COPE, WAME etc., Conflicts of interest, Publication Misconduct: Definition, concept, problems that lead to unethical behavior and vice versa, types, Violation of publication ethics, authorship and contributorship, Identification of publication misconduct,

complaints and appeals, predatory publishers and journals. References (APA Vs. MLA). Bibliography.

Unit –V **Databases and Research Metrics:** Indexing databases, Citation databases: Web of Science, Scopus etc., ISSN Vs ISBN, Impact Factor of journal as per Journal Citations Report, Cite Score, Metrics: h-index, g-index, i-10 index, altmetrics.

Suggested Readings:

- Sriwastava, S. C.: Foundation of Social Research and Economics Techniques, Himalaya Publishing House
- Chou, Ya-Lun: Statistical Analysis with Business and Economics Applications, 2nd Eds., New York.
- Clover, Vernon t and Balsely, Howerd L: Business Research Methods, Colombus O. Grid, Inc.
- Emary C. William: Business Research Methods, Illinois: Richard D. Irwin Inc. Homewood.
- Sharma H.D. and Mukherji S. P.: Research Methods in Economics and Business, New York: The Macmillan Company.
- Gerber R. and Verdoom, P.J.: Research Methods in Economics and Business, New York, The Macmillan Company.
- Courtis J.K. (ed.) Research and Methodology in Accounting & Financial Management
- Menden HYall and Varacity: Reinmuth J.E. : Statistics for Management and Economics.
- Krishnaswami O.R.: Methodology of Research in Social Sciences, Himalaya Publishing House.
- C. R. Kothari: Research Methodology.
- Naresh Malhotra: Marketing Research.
- Uma Sekharan: Business Research.
- Bird, A (2006). Philosophy of Science, Routledge.
- MacIntyre, Alasdair (1967.) A Short History of Ethics, London.
- P. Chaddah, (2018). Ethics in Competitive Research: Do not get scooped: do not get Plagiarized, National Academy of Sciences.
- On Being a Scientist (2020). A Guide to Responsible Conduct in Research: Third Edition. National Academies Press.
- Becall, J. (2012), Predatory publishers are corrupting open access. Nature, 489 (7415), 179-179.

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Paper –II (Optional) (i) 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

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 labourers in rural areas- Institutional and non-institutional sources of agriculture credit – Pattern of ‘credit – utilization and Recovery .

Unit-IV

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.

Paper – II (Optional) (ii) 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.

Unit-III

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-IV

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. Baumol, W.J : Theory of Environmental Policy - Cambridge University Press, 1989
2. Das Gupta, P.S & G.M. Heal : The Economic Theory of exhaustible resources
Cambridge University Press, 1989
3. D. Reid : Sustainable Development, Earth scanTurner, Pearce & Bateman
4. Bateman : Environmental Economics, Harvester - Wheat sheaf
5. Dhingra : Indian Economy (Environment & Policy)
6. Ch. Hanmantha Rao: Agricultural Growth, Rural Poverty and Environmental Degradation in India, OUP, 1994
7. D. Reid : Sustainable Development, Earth scanTurner, Pearce & Bateman
8. Bateman : Environmental Economics, Harvester - Wheat sheaf
9. Dhingra : Indian Economy (Environment & Policy)
10. L.C. Hempel : The Global Challenges, EWP
11. Rajyalaxmi : Environmental Economics
12. U. Shankar : Environmental Economics
13. Ahuliwali, I.J.(1985) : Industrial Growth in India, Oxford University New Delhi
14. Barthwal,RR(1985) : Industrial Economics, Wiley Eastern Limited, New Delhi

Paper – II (Optional) (iii) 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 - PQIL, New Millennium Goals and Objectives – Inclusive growth & sustainable Development.

Unit-III

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-IV

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 regionalDimensions.
7. Sen, A (1972) : Guideline for project Evaluation, Indo Publications.

Paper – II (Optional) (iv) Regional and Area Studies

Concepts:

Meaning and importance of regional economics; different types of a region; indicators of regional development. Location of firms – one market one input case. More generalized version. Locational interdependence; Hotelling phenomena; general equilibrium; uncertainty; maximizing Vs. satisfying.

Regional growth:

Neo – Classical growth models – cumulative causation model; Center – Periphery model; growth pole analysis; convergence and divergence of disparities in per capita regional income. Techniques of regional analysis – regional and inter-regional input – output analysis; attraction model; Gravity model; Shift Share analysis; Impact studies.

Regional Policy :

People prosperity versus place prosperity; formulation of inter-regional objectives; consistency between national and regional objectives; alternative regional policy measures; Historical evidence.- Micro Level Planning, Integrated Area Level Planning.

Inter Regional Disparities in India:

Regional differentials in India's development – Agriculture, Industry, Physical Infrastructure, social sector.- Regional Income and Problems of Estimation - Regional Policy in India, A Case Study of Telangana Region.

Books and References:

1. Chand, M& V.K. Puri, Regional Planning in India, Allied Publishers, New Delhi,
2. Hoover, E.M. An Introduction to Regional Economics, Alfred. A. Knopf, New York
3. Isard, W. Methods of Regional Analysis, MIT Press, Cambridge
4. Richardson, H.W. Regional Economics, Weidenfield and Nicolson, London
5. Dholakia, R.H. Regional Disparity in Economic Growth in India, HPH, Bombay
6. Rao, H. Regional Disparities & Development in India, Ashish Publishing House, New Delhi
7. Richardson, H.W. Input – Output and Regional Economics, John Wiley, New York
8. Seth, V.K. Industrialization in India; A Spatial Perspective, Commonwealth Publishers, New Delhi
9. Siebert, H. Regional Economic Growth; Theory & Policy, International Textbook Company, Scranton

Paper – II (Optional) (v) Economic Anthropology and Tribal Studies

Unit-I: Concepts and Contributions on old and New Economic Anthropology – The Formalist alight – Substantives debate Terms, Definitions – Disembodied Economy Vs Embedded Economy – Gift Economy - Moral Economy – Self sufficient Reciprocity, Redistribution and Exchange Economies / Subsistence Economics – Market Economics – Pre-modern Economics

Unit-II: Tribal Indigenous / Communities, Tribal Integrations and disintegration Forests Rights, Common property resources, Land alienation, displacement, Indebtedness- Migratory trends – Problems of Conservation of National Capital and protection of Indigenous Communities – Ecological Crisis and Globalization impact on indigenous communities.

Unit-III: Pre-Colonialism Colonialism and Neo-Colonialism and its impact on Indigenous – Communities and their movements’ uprisings and revolts.

Unit-IV: Economic Liberalism and Non-Economic Liberalism and Role of NGO, GO and International Organization and its impact on their program’s, Policies and Constraints for the future of indigenous Communities

Books and References:

1. STURT PLATLNER – The Origin of the Economy
2. Frederic L Pryer: New Directions in Political Economy, An approach from Anthropology
3. Madeline Barbara Leoms France Rothstein
4. Theories and the study of Economic Anthropology
5. Marginal David Sahlins
6. Hand book of Economic Anthropology
7. Raymond Firth “Themes in Economic Anthropology
8. Platters introduction Anthropology; Beneria Conceptualizing the Labour force
9. KARL POLANYI “The great Transformation (1944).
10. MALINOWSKI ‘KULA’, TROBRIAND ISLANDERS or “The PrimitiveEconomics of the Trobriand Islanders”
11. MAYHECO, ANNE (1987)
12. SHAHLINS: Subsistence Affluence”
13. G.Dalton – “Economic Theory and Anthropology”
14. WARSH-2006 “Knowledge and Wealth of Nations
15. Gypsies – “ Argus Fraser” – London
16. Palgrave - Economics Dictionary
17. Cambridge – Dictionary
18. Mead, Management (1954) Primitive and Peasant Economic
19. Dictionary of Political Economic –Progressive Pxen

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