

PAPER VIII – RESEARCH METHODOLOGY

Module 1

Science – Its meaning and characteristics – The meaning of ‘research’ – Specific features of Research in Social Sciences as opposed to Physical and Natural Sciences – Objectivity in research – Basic categories in Scientific Method – Facts – Concepts – Causality – Uncertainty – Probability.

Module 2

Methods of Research – Deductive and Inductive Reasoning – Steps of scientific method – Historical Method – Case study – Sample surveys – Various sampling methods – Importance of proper sampling design.

Module 3

Steps in Research – Formulation of a Research problem – Guiding principles in the choice of a Research topic – Role of Review Literature – Formulation of Research Design – Model building – Hypothesis; concept, definition, formulation and testing.

Module 4

Secondary data – some important sources: NSSO, CSO, Economic survey, Season & Crop Report, Agricultural Census, Livestock Census, Annual Survey of Industries, RBI Reports, Primary Data Collection - Tools – Observation, Schedule, Questionnaire – principles underlying construction of a questionnaire – preparation of master table – data processing – Analytical Tables.

Module 5

Reporting Writing – Structure and General Format – Style – Use of footnotes – Citations – presentation of tables, diagrams, charts and maps – Bibliography.

Books for Reference:

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|----------------------------|---|
| 1. Popper | : The Logic of Scientific discovery |
| 2. Milton Friedman | : Essays in Positive Economics |
| 3. E.Nagel | : The Structure of Science |
| 4. Cohen & Nagel | : An Introduction to Logic and Scientific methods |
| 5. C.T.Kurien (Ed) | : A Guide to Research in Economics |
| 6. P.V.Young | : Scientific Social Surveys and Research |
| 7. Dhondyal & Wills | : A guide to Research Methodology |
| 8. Puttasawmian & Nakkiran | : Research Methodology |
| 9. Sonachalam | : Research Methodology |
| 10. Good & Hatt | : Methods in Social Research |
| 11. Wilson Gee | : Social Science Method |
| 12. Machlup.F. | : Methodology in Economics |
| 13. Moser and Kalton | : Survey method in Social investigation |
| 14. C.J.Parsons | : Thesis and Project Work |
| 15. Sheridon Baker | : The Practical Stylist |