

Tantia University, Sri Ganganagar

Syllabus Entrance Examination for Ph.D.

Subject- Economics

Maximum Marks-100

Part A- 50 (Research Methodology)

Part B- 50 (Subject Wise)

PART-A

Research Methodology and Statistics

- UNIT 1: Meaning of Research
Aims, nature and scope of research
Prerequisites of research
- UNIT 2: Research Problem
Meaning of research problem Sources of research problem Characteristics of a good research problem
Hypothesis: Meaning and types of hypothesis. Research proposal or synopsis.
- UNIT 3: Types and Methods of Research
Classification of Research
Pure and Applied Research
Exploring or Formulative Research
Descriptive Research
Diagnostic Research/Study
Evaluation Research/Studies
Action Research
Experimental Research
Historical Research
Surveys
Case Study
Field Studies
- Unit 4: Review of Related Literature
Purpose of the review. Identification of the related literature. Organizing the related literature.
- UNIT 5: Data Collection (Sampling) Sampling and Population Techniques of sampling Selection Characteristics of a good sample Types of data.
- UNIT 6: Tools of Data Collection
Observation, Interview, Questionnaire, Rating scales, Attitude scales, Schedules, Characteristics of good research tools.

UNIT 7: Statistics

Concept of statistics, relevance in education, parametric and non-parametric data; graphical representation of data: histogram, frequency polygon, ogive and pie chart; Measures of Central Tendency: concept, computation and interpretation; measures of variability: concept, computation and interpretation; normal probability curve: concept, application and interpretation.

Correlation: concept, computation and interpretation- Product Moment, Rank Order, Biserial, Point Biserial, Phi, Contingency, Tetrachoric; significance of mean: concept, computation and interpretation of significance of t-test(correlated and uncorrelated, matched, paired-unpaired, matching- paired); ANOVA(One way) :concept, computation and interpretation, regression and prediction; chi square: concept, computation and interpretation (equal and normal probability).

UNIT 8: Research Report

Format of the research report Style of writing the report References and bibliography

Reference books:

1. Best John W. and James Kahn, V., 1989, Research in Education, Sixth Edition, Prentice- Hall of India Pvt.Ltd, New Delhi.
2. Sharma R.A., 1992, Fundamentals of Educational Research, Loyal Book Depot, Meerut, UP, India.
3. Kulbir Singh Sidhu, 1990, Methodology of Research in Education, Sterling Publishers Pvt. Ltd., New Delhi.
4. Lokesh Koul, 1997 Methodology of educational Research, third edition, Vikas Publishing House Pvt. Ltd. , New Delhi.
5. Kothari C.R., 1990, Research Methodology Methods and Techniques, Wiley Eastern Limited, New Delhi.
6. Borg Walter R., Gall Meridith D., 1983, Educational Research an Introduction, Fourth Edition, Longaman, New York &London.
7. Nitko Anthony J., 1983, Educational Tests and Measurement an Introduction, Harcourt Brace Jovanovich, Inc., New York.
8. Aggarwal Y.P., 1988, Statistical Methods Sterling Publishers Pvt. Ltd., New Delhi.
9. Garret Hnery E., 1985 Statistics in Psychology and Education, Viakils, Feffer and Simon, Bombay.
10. Guilford, J.P., and Benjamin Fruchter, 1982 Fundamentals of statistics in Psychology and Education, Fifth edition, Mc Graw-Hill Book Company, New York.

11. Gupta S.C. and Kapoor V.K., 1999, Fundamentals of Mathematical Statistics, Sultan

Chand& Sons Educational Publishers, New Delhi.

12. Grewal P.S., Methods of Statistics Analysis, Sterling Publishers Pvt. Ltd., New Delhi.

13. Bruce W. Tuckman, Statistics in Psychology and Education.

Part-B (Subject Wise)

Economics

- I. Micro Economic Analysis:
 - Demand analysis
 - Theory of production and costs
 - Factor Pricing analysis
- II. Macro Economic Analysis:
 - Determination of Output and employment-classical and Keynesian approaches
 - Demand for Money
 - Business Cycles
- III. Development and Planning
 - Factors of Economic Growth
 - Growth Models- Harrod-Domar, Solow, Ricardo models
 - Project Selection Technique: Cost Benefit analysis
- iv. Public Finance:
 - Public Revenue, Public Expenditure, Public Debt
 - Monetary Policy, Fiscal Policy
- v. International Economics:
 - Theories of International Trade, Determination of foreign Exchange Rate
 - International Trade Institutions- GATT, WTO, UNCTAD Regional Eco-Cooperation among developing countries
- vi. Indian Economy:
 - National Income, Agriculture, Industry, foreign Trade,
- vii. Statistical Methods:
 - Measures of Central Tendency
 - Measures of Dispersion
 - Sampling and Census Methods, Types of Sampling
- viii. Economy of Rajasthan:
 - Salient Features of Economy of Rajasthan
 - Environmental Pollution and role of State in environmental preservation, Tourism development in the State,
 - Major constraints in the development of Rajasthan
- ix. General Knowledge and Current affairs