

Tantia University, Sri Ganganagar

Syllabus for Ph.D. Entrance Exam Subject- Psychology

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

Psychology

Psychological Assessment

1. Methodological Principles

Basic Principles-Nature, Uses and functions of tests
Norms and test standardization
Reliability-Basic concepts and types
Validity-Measurement and Interpretation
Test construction-Item Analysis

2. Assessment

Ability Testing-Intelligence Tests
Personality Testing-Personality Inventories and Projective Techniques
Education Testing-Achievement Tests
Occupational Testing –Aptitude tests and interest test

Compulsory

1. Social Psychology

Relevance of Social Psychology-approaches and methods
Social perception and social cognition
Interpersonal attraction, altruism and aggression
Attitudes and social influence
Leadership and Group processes
Environment and social behavior

2. Development Psychology

Principles of Human Development
Physical Development

Intellectual and cognitive development
Social and personality development
Emotional Development

Optionals

1. Clinical Psychology

Perspectives of clinical psychology
Models of mental health
Clinical diagnosis and assessment
Clinical interventions
Community psychology
Health Psychology
Constructs and approaches to personality
Determinants of personality
Positive psychology

2. Educational Psychology

Models of Teaching
Motivation and learning, Verbal Learning
Concept Learning, Problem Solving and creativity
Individual and group differences in intelligence and personality
Guidance and counseling
Special education and exceptional children

3. Organizational and managerial behavior

Personnel management
Human resource development
Industrial relations
Consumer behavior
Communications and decision making
Leadership in organization
Organizational change and development
Organizational stress