

Entrance Examination Syllabus for PhD (2024)

Department of Psychology

DDU Gorakhpur University, Gorakhpur

SECTION-A

Research Methodology

Objective: The key objective is to assess the research abilities, aptitude, attitude and awareness and knowledge of research methodology.

UNIT	SUBJECT AREA/TOPIC	NUMBER OF QUESTIONS
I	Psychological Research: Basic Concepts: Research Problem; Hypothesis; Variables; Ethical Considerations in Psychological Researches	04
II	Sampling and Probability: Sampling and Its Techniques; Probability; Variance; Factor	04
III	Approaches to Research: Experimental; Co-relational; Descriptive; Survey research	04
IV	Techniques of Data Collection: Interview; Questionnaire; Observation Scales; Non-Self Report Methods	04
V	Research Design: Foundation of Experimental Research Design; Experimental Designs (One way ANOVA, Between Group, Within Group, factorial and Mixed Designs) Quasi experimental	04
VI	Co-relational Research: Nature and techniques of data collection; Bilinear and Partial correlation; Multivariate correlation; Multiple regression analysis; Factor Analysis	04
VII	Qualitative Research Methods: Grounded Theory; Narrative Analysis; Discourse Analysis; Interpretative	04

	Phenomenological Analysis	
VIII	Statistics: Methods of Data Analysis : Descriptive and Inferential Statistics; Univariate Analysis; Bivariate analysis; Multivariate Analysis	04
IX	Psychological Assessment: Types of Tests and Scales; Steps of Test Construction; Psychometric and Projective Tests; Reliability ;Validity	04
X	Non- Parametric Methods and Statistics: Parametric and Nonparametric statistics: Basic Assumptions, Chi Square Test	04

SECTION-B

Psychology

UNIT	SUBJECT AREA/TOPIC	NUMBER OF QUESTIONS
I	Cognitive Processes: Divided, Selective and Sustained Attention; Signal Detection Theory; Perceptual Organization; Determinants of Perception; Encoding, Storage, Retrieval; Sensory, Short term, Working, Long term, Episodic and Semantic Memory; Theories of Forgetting ; Models of Memory (Atkinson & Shiffren; Crack & Lockhart; Tulving); Concept Formation (Features and Rules; Strategies); Reasoning: Deductive and Inductive; Problem Solving (Stages, Types of Problems, Solution Strategies, Creative problem solving)	04
II	Learning Processes: Classical & Instrumental Conditioning; Reinforcement Schedules; Verbal Learning: Methods & materials, Organizational Processes	04
III	Motivational and Affective Processes: Instincts, Needs, Drives; Biological Motives (Hunger, Thrust, Sleep & Sex);	04

	Management	
X	Health Psychology: Health Behavior: Approaches and models. Positive and Negative Health Behavior; Chronic physical health problems and its psychological correlates; Stress and coping with stress	04

Handwritten signatures:
J. S. ...
R. K. ...
D. ...
C. ...
P. ...
J. ...
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