

**BHATKAHNDE SANSKRITI VISHWAVIDYALAYA,
LUCKNOW**

**Ph.D. Entrance Examination
Paper - Research Methodology/ General Mental Ability/
Teaching Aptitude**

Max. Marks - 100

Unit - I

(Research Methodology)

- i. Meaning of Research
- ii. Steps of Research
- iii. Types of Research
- iv. Importance of Research

Unit - II

- i. Descriptive Research
- ii. Experimental Research
- iii. Historical Method
- iv. Survey Method
- v. Sources of Data
 - (a) Primary Source
 - (b) Secondary Source

Unit - III

- i. Short Notes
 - (a) Copyright
 - (b) Plagiarism
 - (c) Cyber Law
 - (d) Data Mining
 - (e) Bibliography
 - (f) Synopsis
 - (g) Hypothesis
- ii. Tools of Data Collection
 - (a) Interview
 - (b) Enquiry forms
 - (c) Observation

Unit - IV

(General Mental Ability)

- i. Mathematical Reasoning & Aptitude
- ii. Logical Reasoning
- iii. Data Interpretation
- iv. General Awareness about Music

Unit - V

(Teaching Methodology)

- i. Teaching : A General Introduction
 - (a) Concept
 - (b) Objectives
 - (c) Levels of teaching (Memory, understanding and reflective)
 - (d) Characteristics
 - (e) Basic Requirements
- ii. Basic factors affecting teaching related to :
 - (a) Teachers
 - (b) Students
 - (c) Support Materials
 - (d) Instructional Facilities
 - (e) Learning Environment
 - (f) Institution
- iii. Methods of teaching in Institution of higher learning : An Introduction
 - (a) Teacher centric v/s student centric method
 - (b) Offline v/s Online method (Swayam, Swayamprabha, MOOC, Gyanganga, Shodhganga, Shodhgangotri, NDL)
- iv. Evaluation system : An Introduction
 - (a) Elements and types of evaluation
 - (b) Evaluation on CBCS in higher education
 - (c) Innovation in Evaluation system