

*Veer Narmad South Gujarat University, Surat.*  
*Syllabus for Ph.D. Entrance test - Education faculty*

**1**

**Unit-1: Research methodology**

**(50%)**

- Educational research
- Concept of inter disciplinary and multi disciplinary research
- Selection of research problem and drafting the proposal
- Approaches of qualitative and quantitative of research
- Research ethics
- Digging data from Survey Archives, Written Records - Recording Content Analysis of Documents/text books and Case studies
- Research methods and tools
- Measurement
- Research Report writing.
- concepts of statistics
- Use of statistics for managing data
- Nature and Types of educational data
- Organization and tabulation of data.
- Frequency distributions
- Graphic Representation of data
- Measures of central tendency and dispersion
- Measures of relationship
- Regression and prediction
- Normal probability distributions
- Hypothesis and its testing
- Significance of statistics
- Parametric test and Item analysis
- Non parametric methods
- Factor analysis
- Qualitative data analysis
- Sampling
- Use of computer in research
- Validity, Reliability and Usability
- Standardization of tool

## **Unit-2: Education**

**(50%)**

- Philosophy of education
- Schools of philosophy
- Philosophical views on education
- Education as a discipline and interdisciplinary nature of education
- Philosophical and sociological understanding of education
- education in independent India
- Challenges and opportunities of education
- Teacher education
- Schools of psychology and human development
- Learning
- Cognitive paradigms and constructivism
- personality, adjustment and its measurement
- Nature, principles and determinants of curriculum
- Curriculum development
- Curriculum transaction
- Evaluation and research in curriculum construction
- Sociology of education
- Social changes and education
- Social educational outcomes
- Educational and social developments- contemporary issues
- Elementary education
- Secondary education
- History, Politics and economics of education
- Education and economic development
- Pedagogy and its techniques
- Assessment in teaching-learning
- Tools and techniques of assessment
- Educational management
- Performance and resource management in educational institutions
- Introduction of inclusive education and teacher preparation
- Current issues in inclusive education
- Education policies
- Monitoring and evaluation of policy implementation
- Policy research

- Educational finance in India
- Objects of expenditure
- Source of finance
- School budget, problems and solutions of educational finance in India
- Computer and internet fundamentals
- ICT in education
- Educational administration
- Leadership and educational administration at various level
- Human relations approach to administration
- Basics of guidance
- Educational and Vocational guidance
- Basics of counseling
- Organization of a guidance programme
- Values, human rights and moral education
- Foundations of educational planning
- Principles, techniques and approaches of educational planning
- Types of educational planning
- Adult education
- Higher education, distance and open education
- Education studies