



Department of Studies in Education
SYLLABUS FOR Ph.D. ENTRANCE EXAMINATION- 2021-22
Sub: Education
Paper I: RESEARCH METHODOLOGY

Marks: 8x5=40

Unit-1: Introduction to Educational Research

- 1.1 Meaning, Need, Importance and Scope of Educational Research
- 1.2 Types of Research – Basic, Applied and Action
- 1.3 Scientific Method in Educational research
- 1.4 Problem faced in Educational Research
- 1.5 Special Characteristics and steps
- 1.6 Qualities of Educational research

Unit – 2: Major Steps in Educational Research

- 2.1 Defining Research problem – Sources of research Problem
- 2.2 Study of Related Literature – Need, Sources, types – Preparation of abstracts
- 2.3 Criteria for selecting a Research problem, Statement of the Problem
- 2.4 Ethics of Educational Research
- 2.5 Variables in Educational Research – meaning, characteristics, types
- 2.6 Hypotheses in Educational Research – meaning, importance, characteristics, types and forms – formulation of hypotheses
- 2.7 Sampling in Educational Research-concept, need, significance sampling techniques / procedure, criteria for selection of sample
- 2.8 Research proposal – need, importance and format of research proposal. Collection of Data- analysis and interpretation of data.

Unit – 3: Methods of Research in Education

- 3.1 Historical Research – Sources, Criteria, Collection of Data, Historical Criticism and Interpretation of data.
- 3.2 Descriptive Research – Normative, survey, co-relational, Casual and Comparative Studies, Case study, Development Studies – nature, uses, Steps, Collection and interpretation of data.
- 3.3 Experimental Research – Nature and significance, internal and external validity – Types – Experimental designs – single, Parallel and rotation Groups – variables and control of variables.
- 3.4 Ex-post Facto research – Concept, Characteristics, Conditions, Designing, Procedure, Advantages and limitations.

Unit – 4: Tools and Techniques of research in Education

- 4.1 Construction and Standardization of Tools and Tests in Educational Research.
 - 4.1.1 Questionnaire, Interview Schedule, Checklist, Rating Scale
 - 4.1.2 Tests Ability, aptitude and Achievement tests
 - 4.1.3 Attitude Scale – Thurstone or Likert Method
 - 4.1.4 Interview, Observation, Socio-metric and Projective Techniques validity and reliability of the corresponding data.
- 4.2 Criteria for selecting a tool from available tools

Unit – 5: Research Report

- 5.1 Organization and Graphical representation of Data
- 5.2 Language and style of Presentation
- 5.3 Standard format of Thesis/dissertation (Research Report)
- 5.4 Chapterization, Indexing, Use of abbreviations, Footnote, Bibliography and Appendix
- 5.5 Characteristics of Good Research Report

Paper II: PERSPECTIVES OF EDUCATION

Marks: 12x5=60

A) Philosophical Perspectives of Education :

- a) Nature and Scope of Philosophical Education
- b) Epistemology and Education
- c) Axiology and Education
- d) Schools of Philosophy; Idealism and Pragmatism
- e) Globalization, Privatization and liberalization

B) Psychological Perspectives of Education :

- a) Schools of psychology; Behaviorism, Gestalt Humanism and Cognitivism
- b) Learning theories: Piaget's stages, Gagne's Cumulative Learning model, Ausubels meaningful Verbal learning.
- c) Theories of intelligence; Guilford 3 dimensional Model, Gardner's theory of multiple intelligence, Stenberg's triarchic theory of intelligence
- d) Creativity: Concept, characteristics and process, promotion of creativity
- e) Motivation, Achievement motivation, Maslow's need theory of motivation

C) Education system in India:

- a) Univeersalisation of elementary Education (UEE) in India; focus, objectives and structure.
- b) Experiments in school Education;
national open schools, Jawahar Navodaya Vidyalayas, Kendriya Vidyalaya, Morarji Desai Residential Schools
- c) Training of teachers;
Pre service B.Ed, D.Ed. In-service Training; Programmes Organised by DIET, DSERT, NCERT, and Special Projects-Sarvashiksha Abhiyan.
- d) Higher Education;
Concept and its development, Higher Education through five year plans, recent trends; Academic Staff Colleges, Autonomous Colleges, Open and Distance learning, Deemed Universities.
- e) Evaluation in Education; Concepts of evaluation, Tools and Techniques of Evaluation.

D) Teacher Education:

- a) Concept, functions, Scope; Structure of Teacher Education; D.Ed, B.Ed, M.Ed and Integrated B.Ed.
- b) Objectives of Teacher Education; Pre-Primary, Primary and Secondary.
- c) Agencies of Teacher Education; UGC, NCERT, NCTE, CASE, IASE, NUEPA and ICSSR.
- d) Teacher in Management; Managerial Skills, Communication, Manpower planning, classroom management and Extension Services
- e) Competency based Teacher Education: Concept, dimensions

E) Education Technology:

- a) Concept of Educational Technology
- b) Approaches to E T; Scientific and Multisensory approaches
- c) Communication system; Meaning and Components of Communication
- d) Programmed Instruction: Concept, Principles and Stages
- e) Educational Technology and Computers: Meaning, types and Components of Computers, Role of Computers in Education

Marks weightage:

Paper No	Subject	Number of questions (Objective with multiple options)		Marks	
I	Research Methodology	40		40	
II	Perspectives of Education	60		60	
A	Philosophical Perspectives of Education		12		12
B	Psychological Perspectives of Education		12		12
C	Education system in India		12		12
D	Teacher Education		12		12
E	Education Technology		12		12
	Total	100		100	

Model Scoring Key Pattern:

Question number	Correct alternative answer
1	a
2	b
3	c
4	d
5	e