Reg. No. : ....

Name : ....

Ph.D. ENTRANCE EXAMINATION 2023

FACULTY OF EDUCATION

EDUCATION

Time : 3 Hours   Max. Marks : 100

***Instructions* :**

1) *Answer **any ten** questions each from* Section ***A*** *and* Section ***B.***

2) *Each question carries **5** marks.*

3) *No additional Answer sheets will be provided.*

4) *Candidates should clearly indicate the section, Question number in the answer booklet.*

Section – A

Research Methodology

I.   Answer any **ten** questions. Each question carries **5** marks.

1.   Illustrate independent variables, dependent variables and intervening variables in educational research.

2.   Explain the epistemological and ethical issues in educational research.

3.   Bring out the stages in formulating a research problem in education.

4.   Define different types of hypotheses. Briefly describe the role of hypotheses in theory making.

5. Differentiate the process of sampling in quantitative and qualitative researches.

6. Illustrate the use analytic induction technique, constant comparison method and grounded theory in educational research.

7. Describe the possible threats to internal validity and external validity while conducting experiments in educational settings.

8. Differentiate construct validity, concurrent validity and predictive validity of a research instrument.

9. Explain the challenges faced by a historical researcher during the process of internal criticism and external criticism.

10. Appraise the usefulness of different forms of mixed research in education.

11. Outline the steps in constructing an attitude scale as suggested by Likert.

12. Examine the techniques of ensuring stability over time and interna consistency of a research tool.

13. Assess the concept of level of significance and its relationship with errors in making statistical inference.

14. How will you test normality of a distribution? Appraise the use of Q-Q plot and P-P Plot in testing normality.

15. Calculate t Value for the following data

Group	N	Mean	SD
Boys	135	27	3.67
Girls	129	33	3.21

(10 × 5 = 50 Marks)

Section – B

Education

II. Answer any **ten** questions. Each question carries **5** marks.

1. Compare and contrast Idealism, Naturalism and Pragmatism as philosophies of education with special reference to their Epistemology, Metaphysics and Axiology.

2. Justify the appropriateness of four pillars of education as depicted by the UNESCO report, Learning: The Treasure Within, in the current Indian context.

3. "Education is rootless without philosophy and philosophy is fruitless without education". Judge the statement.

4. Compare and contrast the theories of Piaget and Bruner on cognitive development.

5. Describe eight criteria to be fulfilled by an intelligence according to the theory of multiple intelligence.

6. Explain any one classification of learning styles. Illustrate the implications of learning styles for a teacher.

7. Differentiate 'acculturation' and 'enculturation'. How do these concepts related with 'cultural capital'?

8. Examine the nature of social change in India according to M.N. Sreenivas.

9. Appraise the Human capital theory of Gary Becker from the perspective of education as an investment.

10. Elaborate the following concepts
    (a) LMS
    (b) SWAYAM
    (c) ERP
    (d) Flipped Learning
    (e) Concept Mapping

11. Assess the implications Meaningful Verbal Learning theory as a theoretical bases of Educational Technology.

12. Explain the recent ICT initiatives in the school education of Kerala.

13. Categorize teaching methods into 'Didactic', 'Socratic' and 'Facilitative' methods.

14. How will you make use of Taxonomy Table of Revised Bloom's Taxonomy to align objectives and assessment?

15. Differentiate 'assessment as learning', assessment *for* learning' and assessment of learning'.

(10 × 5 = 50 Marks)

_____