Reg. No. : ....

Name : ....

Ph.D. ENTRANCE EXAMINATION, NOVEMBER 2022

FACULTY OF EDUCATION

Time : 3 Hours

Max. Marks : 100

Instructions :

*1) Answer **any ten** questions each from Section **A** and **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. All Questions carry equal marks.

1.   Highlight the key differences between basic and applied research in education.

2.   Distinguish between qualitative and quantitative paradigms in educational research.

3.   Briefly describe any four mixed method designs appropriate for educational research.

4.   What factors will you consider in determining the research design for your problem?

5.   How does the scales of measurement influence data collection and analysis?

6.   With suitable examples, illustrate the use of ogives in educational research.

7. Briefly pinpoint the application of normal probability distribution In social science research.

8. Compare observation and Interview as methods of data collection In educational research, pointing out relative strengths and weaknesses of each.

9. Point out the relative strengths of the major measures of central tendency over one another and indicate when to use each of them.

10. How can the credibility of self-report scales used in educational research be Improved?

11. With suitable example, explain the concept of construct validity of measures in educational research.

12. What is internal consistency? How is it measured? When is it relevant for measures?

13. Establish the value of content analysis as a method of research in education.

14. A research question should not be altered to fit a chosen research method-Do you agree? Substantiate your stance.

15. Outline the process and basic principles of generating and analysing data through focus group discussions.

(10 × 5 = 50 Marks)

Section – B

Education

II. Answer any **ten** questions :

1. Should an educational researcher be familiar with schools of philosophies? Substantiate your answer.

2. What is the relevance of eclecticism in educational theory and practice?

3. Showcase how perspectives on learning vary by philosophical perspectives.

4. On what characteristics do adult learners differ from younger learners.

5. Explain information processing approach to learning.

6. List the general implications of situated learning theory for educational practice.

7. With suitable examples, explain three causal dimensions of attributions for success or failure given by learners.

8. Briefly describe the major components used by social cognition theory to explain motivation and learning.

9. Why is reflective practice important in teaching?

10. How do Bruner and Piaget differ on their views of constructivism in learning and education?

11. Elucidate the relevance of peer tutoring in teacher education.

12. Mention the broad areas of research in teacher education practice.

13. Pinpoint the pros and cons of the affiliating system on Indian higher education system.

14. Briefly describe the various approaches to ICT in educational practice.

15. Comment on the contemporary challenges in online assessment.

(10 $\times$ 5 = 50 Marks)

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