2021

EDUCATION

Semester-I Examination (DODL)

Paper : COR-104

(Research Methodology-I)

Full Marks : 80   Time : 4 Hours

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP-A

Answer any **six** questions from the following:

$10 \times 6 = 60$

1. Discuss the meaning of Exploratory and Explanatory research. How do you identify a research worthy problem?   4+6=10

2. What do you mean by 'manipulation' and 'control' in Experimental research? Explain any one design of Experimental research in education with one example.   3+7=10

3. Explain different types of measurement scale. Discuss the nature, merits and demerits of Questionnaire.   10

[Turn over]

4. What do you mean by Central Tendency? Mention the advantages of mean. Calculate mean from following data :

Class interval	40-44	45-49	50-54	55-59	60-64	65-69
f	1	3	2	4	4	6

3+7=10

5. What do you mean by coefficient of correlation? Calculate product moment correlation from the following table and interpret the value:

x	10	6	9	10	12	13	11	9
y	9	4	6	9	11	13	8	7

2+6+2=10

6. What are the characteristics of a good sample? Discuss any two probabilty sampling techniques.

4+4+2=10

7. What is Experimental Research? Explain with example. What are the threats to validity of an experimental research in Education?   10

8. State the importance of hypothesis in education. What are the characteristics of a good research hypothesis? Make any four null hypothesis with proper symbol.   2+6+2=10

GROUP-B

Answer any **four** questions from the following:

$$5 \times 4 = 20$$

9. Write a note on the nature of NPC.

10. Explain longitudinal and cross-sectional research.

11. Write a note on Survey research in education.

12. Write a short note on 'Interview' as data collection tool.

13. What do you mean by 'sources' and criticism of data?

14. Write a note on 'Nature of Educational research'.

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