

SUBJECT CODE : M 1003

M.Ed. DEGREE EXAMINATION, MAY 2011

(For the candidates admitted from the academic year 2009-2010)

Core Paper III — RESEARCH IN EDUCATION

Time : 3 hours Maximum marks : 100

PART I — (5 × 3 = 15 marks) Answer ALL questions.

Each answer should not exceed 100 words. Each answer carries 3 marks.

1. List out the qualities of a research worker.
2. State the criteria for selecting a problem.
3. Objectivity of a research Tool - Define.
4. State the uses of 'chi' square test.

PART II — (8 × 5 = 40 marks) Answer any EIGHT questions.

Each answer should not exceed 200 words. Each question carries 5 marks.

6. Explain the features involved in observational research.
7. State the criteria involved in the selection of sample.
8. How would you develop a questionnaire?
9. What is longitudinal research?
10. Explain the measures of variability.
11. Find out the correlation coefficient (r) for the following distributions :

X : 95 90 85 80 75 70 65 60 55

Y : 76 78 77 71 75 79 73 72 74

12. Find out the rank order correlation (ρ) for the following distributions :

Student	Rank in subject A	Rank in subject B
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A	1	4
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B	2	2
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C	3	3
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D	4	9
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E	5	5
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F	6	1
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G	7	7
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H	8	8
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I	9	6
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13. Describe the characteristic features of a normal distribution.

14. Hypothesis : Define.

15. How will you standardize an achievement test?

16. State the ethical issues in conducting an educational research.

17. Differentiate between correlation and regression.

PART III — (3 × 15 = 45 marks)

Answer ALL questions.

Each answer should not exceed 1,200 words. Each answer carries 15 marks.

18. (a) Describe the various methods of educational research.

Or

(b) Describe the major steps involved in educational research.

19. (a) Explain the different types of tools being used in educational research.

Or

(b) Explain the various principles to be observed in writing a research report.

20. (a) Determine the mean, the median and the range of the following distribution.

Or

(b) Calculate the 'F' value for the following distribution.

X	Y	Z
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18	26	18
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22	27	14
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18	18	15
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23	22	14
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19	23	19
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24	19	21
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20	27	17
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21 26 17

19 24 18

25 26 19

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