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FIRST SEMESTER M.Ed DEGREE EXAMINATION, DECEMBER 2021

M.Ed

MED 04 – INTRODUCTION TO EDUCATIONAL RESEARCH AND STATISTICS

(2017 Scheme)

Time : Three Hours

Maximum : 80 Marks

PART A
Answer all questions
Each question carries 2 marks

1. Mention the types of educational research.

2. What is moderator variable?

3. Define sampling error.

4. Give any two merits of quartile deviation.

5. What are the three types of Kurtosis

(5 x 2 = 10 Marks)

PART B

Answer any eight questions.
Each question carries 5 marks.

6. Critically analyse the scope of educational research.

7. Write short notes on paradigms of educational research.

8. What do you understand by selection of research problem?

9. Describe briefly the preparation of related literature report.

10. Briefly explain the various quantitative research methods.

11. What is the basic purpose of statistical methods in correlation studies?

12. Differentiate between qualitative and quantitative data.

13. Explain about size of sampling.

14. Clarify the importance and purpose of hypothesis.

15. Find the Median and mode from the following data.

 10, 6, 7, 10, 9, 8, 7, 5, 10

16. What is called normal probability curve? Explain with examples.

17. Describe the types of correlation.

(8 x 5 = 40 Marks)

PART C

Answer any **two** *questions.*
Each question carries 15 marks.

18. a) Explain the process of sampling and its methods.

    b) Explain the types of Hypothesis.

                                                    (10+5 = 15 marks)

19. Write an essay on kinds of dispersion.

20. a) Explain the sources of primary and secondary data

    b) From the following data calculate quartile mean and standard deviation.

C.I	f
60-65	2
54-59	2
48-53	6
42-47	3
36-41	8
30-35	8
24-29	4
18-23	6
12-17	10
6-11	6
05	5

                                                    (8+7 = 15 marks)

21. a) By Spearman's rank Difference Method calculate correlation coefficient:

Student	A	B	C	D	E	F	G	H	I	J
Math	78	36	98	25	75	80	25	62	36	40
Hindi	84	54	36	60	54	92	36	62	36	98

    b) Write short notes on Skewness and Kurtosis.

                                                    (8+7 = 15 marks)

                                                    [2 x 15 = 30 Marks]

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