D 72021 (Pages : 2) Name....................................

Reg. No................................

FIRST SEMESTER M.Ed. DEGREE EXAMINATION, NOVEMBER 2019

M.Ed.

MED 04—INTRODUCTION TO EDUCATIONAL RESEARCH AND STATISTICS

(2017 Admissions)

Time : Three Hours   Maximum : 80 Marks

Part A

Answer **all** *questions.*
Each question carries 2 marks.

1. Mention the *two* paradigms of research.

2. What are the types of sampling ?

3. What is variable ?

4. Write any *two* applications of Statistics.

5. Define Primary Data.

(5 × 2 = 10 marks)

Part B

Answer any **eight** *questions.*
Each question carries 5 marks.

6. Describe the nature of action research.

7. Describe the need and different ways of stating hypothesis.

8. Explain the term level of significance.

9. State the characteristics of ethnographic research.

10. Explain the steps of correlational research.

11. Describe the relationship between variables.

12. What are the sources of hypothesis ?

13. Enumerate the advantages and disadvantages of sampling.

14. Describe any *two* types of bar chart with suitable examples.

Turn over

15. When do you use secondary data ? Mention the sources of secondary data.

16. Describe the scope of statistics.

17. Write a brief note on Kurtosis.

(8 × 5 = 40 marks)

Part C

Answer any two questions.
Each question carries 15 marks.

18. Discuss the types of probability sampling in detail.

19. Explain the steps of case study research.

20. Describe the diagrammatic and graphical representation of data and their significance.

21. (a) The median is the midpoint between the highest and the lowest scores in a distribution. Do you agree or disagree ? Why ?

    (b) Differentiate between point biserial and biserial correlation.

(5 + 10 = 15 marks)

[2 × 15 = 30 marks]