

**G 8231**



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**Reg. No.**.....

**Name**.....

**M.Sc. (MEDICAL MICROBIOLOGY) DEGREE EXAMINATION, JULY 2025**

**First Year**

**RESEARCH METHODOLOGY AND STATISTICS**

(2024 Admissions–Regular, 2021–23 Admissions–Supplementary,  
2018–20 Admissions–Mercy Chance)

Time : Three Hours

Maximum Marks : 100

*Answer **all** questions.*

*Draw diagrams wherever necessary.*

**I. Essay :**

- 1 Explain different methods of research.
- 2 Define hypothesis. Explain how hypothesis can be tested ?

(2 × 20 = 40 marks)

**II. Short Essay :**

- 1 Write a note on research methodology.
- 2 Write about different types of samples and sampling techniques.
- 3 Give an account of different types and sources of data.
- 4 Explain how data can be analyzed in scientific research

(4 × 10 = 40)

**Turn over**





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III. Write Short notes on :

- 1 Criteria of research problem.
- 2 F-test and F ratio.
- 3 Applications of social research.
- 4 Non parametric tests.

(4 × 5 = 20 marks)

