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Reg. No.....

Name.....

M.Sc. (MEDICAL MICROBIOLOGY) DEGREE EXAMINATION, JULY 2026

First Year

RESEARCH METHODOLOGY AND STATISTICS

(2025 Admission Regular / 2022-24 Admissions Supplementary / 2021 Admission First
Mercy Chance / 2020 Admission Second Mercy Chance / 2019 Admission
Third Mercy Chance)

Time : Three Hours

Maximum Marks : 100

*Answer **all** questions.
Draw diagrams wherever necessary.*

I. Essays :

- 1 Explain types and sources of data. How can we measure the errors ?
- 2 Write an account on planning of research with example

(2 × 20 = 40)

II. Short Essays :

- 1 Explain types of research
- 2 What is hypothesis and how can we formulate and analyze it ?
- 3 Explain different steps, parts and qualities of research report.
- 4 Write a note on collection of data

(4 × 10 = 40)

III. Write short notes on :

- 1 write an account on applications of research
- 2 Write about a statistical package used in social science
- 3 Write about practical applications of statistical tests
- 4 Explain design of sampling

(4 × 5 = 20)

