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Reg. No......

Name.....

**M.Sc. (MEDICAL BIOCHEMISTRY) DEGREE EXAMINATION
DECEMBER 2024**

Sixth Semester

Paper XVII—RESEARCH METHODOLOGY AND BIOMEDICAL STATISTICS

(2021 Admissions – Regular / 2018–20 Admissions – Supplementary / 2017 Admissions –
First Mercy Chance / 2016 Admissions – Second Mercy Chance)

Time : Two Hours and a Half

Maximum Marks : 80

All questions are Compulsory.

Draw neat labelled diagrams wherever necessary.

- I. Explain the importance of a literature review in research. Discuss its structure, key components, and common challenges faced by researchers.
(20)
- II. Write notes on technique of project proposal writing. Explain literature review and its purpose.
(10)
- III. Discuss the concept of central tendency, its measures, and their applications. Illustrate with examples.
(10)
- IV. Write notes on the following :
 - 1 Sampling methods.
 - 2 Randomization and replication.
 - 3 Review article.
 - 4 Importance of statistical analysis of data in science.
 - 5 Confidence interval and tolerance limit.
 - 6 Project report.
 - 7 Chi square test.
 - 8 Importance of application of statistics in genetics.

(8 × 5 = 40)

