

Q.P. CODE: 115019

Reg. No:

**First Year B.Sc Medical Microbiology & Medical Biochemistry Degree
Regular/Supplementary Examinations November 2024**

Paper IV – General Methodology

(2016 Scheme)

(Common for both specialty)

Time: 3 Hrs

Max. Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays:

(2x15=30)

1. Describe in detail about the capillary and venous blood collection methods.
2. Describe the various sterilization methods used in the microbiology laboratory.

Short Essays:

(2x10=20)

3. Explain the various safety measures taken for prevention of laboratory accidents.
4. Discuss briefly about the different routes of animal inoculation for animal experiments.

Short notes

(6x5=30)

5. Uses of deionized water
6. Primary standard chemicals
7. Analytical balance
8. Essential components in histopathology laboratory
9. Anaerobic culture methods
10. Dark field microscope

Answer briefly:

(10x2=20)

11. Urine preservatives
12. Molarity
13. Magnetic stirrer
14. Water bath
15. Gram staining
16. Graduated flask
17. Hot air oven
18. Buffer
19. Alexander Fleming
20. Vortex mixer
