

Q.P. CODE: 115019

Reg. No:

First Year B.Sc Medical Microbiology & Medical Biochemistry Degree

Supplementary Examinations June 2025

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. Draw neatly and explain the design and layout of pathology laboratory.
2. Describe the different types of methods used to cultivate microorganism

Short Essays:

(2x10=20)

3. Briefly explain the principle, parts and application of autoclave.
4. Briefly explain the principle, parts and application of phase contrast microscope.

Short notes

(6x5=30)

5. Volumetric analysis
6. Calibration of pipettes
7. Universal safety precautions
8. Secondary standard chemicals
9. Reagent grades
10. Optical microscope

Answer briefly:

(10x2=20)

11. Kipps apparatus
12. Pasteurization
13. Normality
14. Graduated cylinder
15. Gram Negative bacteria
16. Desiccators
17. Louis Pasteur
18. Buffer
19. Centrifuge
20. Capillary tube
