

Q.P. CODE: 115019

Reg. No:

**First Year B.Sc Medical Microbiology & Medical Biochemistry Degree
Regular/Supplementary Examinations June 2021 (August 2020)**

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. Explain volumetric analysis. Discuss the preparation of standard solutions.
2. Explain the difference between thick and thin peripheral blood smears. Describe their preparation, errors in preparation and uses.

Short Essays:

(2x10=20)

3. Discuss the different types of disinfectant methods used in the lab.
4. Describe the design and layout of a cytopathology lab.

Short notes

(6x5=30)

5. Dark field microscopy
6. Principles and steps of Gram's staining
7. Classify culture media
8. Storage of inflammable chemicals
9. Units of measurement
10. Microtome

Answer briefly:

(10x2=20)

11. Teflon
12. Calibration
13. Name two cleaning solutions
14. Block holder
15. Labels used in the lab
16. Quality control
17. Abbe condenser
18. Moist sterilization
19. Safety codes in the lab
20. Breeding of lab animals
