

Q.P. CODE: 115019

Reg. No:

**First Year B.Sc Medical Microbiology & Medical Biochemistry Degree
Supplementary Examinations April 2020 (March 2021)**

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. Discuss the general laboratory safety principles. Give a brief account of universal safety precautions.
2. Discuss in detail different sterilization methods used in laboratory. Enumerate different types of disinfectants

Short Essays:

(2x10=20)

3. Discuss the principle and uses of centrifuge.
4. How is thin blood smear and bone marrow smear prepared

Short notes

(6x5=30)

5. Preparation of normal saline
6. Storage and safe handling of laboratory chemicals
7. Water bath
8. Dark field microscope
9. Bacterial staining methods
10. Anaerobic culture methods

Answer briefly:

(10x2=20)

11. Properties of glassware
12. Disadvantages of disposable lab wares
13. Molal solution
14. Cytopathology
15. Romanowsky stain
16. Double distilled water
17. Uses of light microscope
18. Different routes of animal inoculation
19. Steamer
20. Microbiology lab associated infections
