

Q.P. CODE: 115019

Reg. No:

**First Year B.Sc Medical Microbiology & Medical Biochemistry Degree
Supplementary Examinations April 2018**

Paper IV – General Methodology

(2016 Scheme)

(Common for both specialty)

Time: 3 Hrs

Max. Marks: 100

- Answer all questions
- Draw diagram wherever necessary

Essays: (2x15=30)

1. What are the methods of blood collection. Describe the steps of venepuncture and list the errors which can occur
2. Discuss the classification of microorganisms and classify the bacteria by their morphology.

Short Essays: (2x10=20)

3. Compare the uses of a hot air oven and a refrigerator in the lab.
4. Discuss the accidents in the lab due to electrical and chemical fires

Short notes (6x5=30)

5. Calibration of pipettes
6. Cleaning of instruments in the lab
7. pH measurement
8. Desiccators
9. Methods of moist sterilization
10. Routes of animal inoculation

Answer briefly: (10x2=20)

11. Uses of dark field microscopy
12. Anaerobic culture media
13. Leishman's stain
14. Heparin
15. Formalin as a fixative
16. Reagent grades
17. Primary standard chemicals - 2 examples
18. Plastic wares used in the lab
19. Uses of autoclave
20. S I units
