

Q.P. CODE: 115019

Reg. No:

**First Year B.Sc Medical Microbiology & Medical Biochemistry Degree
Examinations October 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 anticoagulants and classify them. How do they act. Discuss how anticoagulant bottles are prepared for blood collection.
2. Describe the parts of a compound microscope. What steps will you take in the care of a microscope.

Short Essays: (2x10=20)

3. Discuss the varieties of glassware. How are they graded.
4. Discuss the principles and uses of an analytical balance

Short notes (6x5=30)

5. Molar solutions
6. Centrifuges
7. Labelling of specimens
8. Differential staining
9. Handling of laboratory animals
10. Safety codes in the lab

Answer briefly: (10x2=20)

11. Uses of disposable glassware
12. Phosphate buffer
13. Types of indicators
14. Parts of a peripheral smear
15. Stations in a histopathology lab
16. Lancet
17. Gram's staining-components
18. Koch's postulates
19. Use of a polarizing microscope
20. Immunisation of a lab animal
