
Q.P. CODE: 115019

First Year B.Sc Medical Microbiology & Medical Biochemistry Degree **Supplementary Examinations December 2021**

Paper IV – General Methodology

(2016 Scheme)

(Common for both specialty)

Time: 3 Hrs

- 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:

- 1. What are preservatives. Which are the anticoagulants used in the lab, their principle and dose and uses. How do you prepare an anticoagulant bottle.
- 2. Classify microorganisms. Discuss the subtyping of bacteria based on their morphology.

Short Essays:

- 3. Discuss the preparation of phosphate buffer and its uses.
- 4. Discuss the factors necessary for bacterial growth and nutrition.

Short notes

- 5. Weighing of solids
- 6. Advantages of plastic wares in lab
- 7. Difference of analytical and digital electronic balance
- 8. Record keeping in the lab
- 9. Anaerobic culture methods
- 10. Animal inoculation methods

Answer briefly:

- 11. Normal solution
- 12. Physical hazards in lab
- 13. What is the use of titration
- 14. Pasteur pipette
- 15. Use of centrifuge
- 16. Normal saline
- 17. Formalin
- 18. Benedict's reagent
- 19. Polarisation in microscopy
- 20. Culture plate

(2x10=20)

(6x5=30)

(10x2=20)

Max. Marks: 100

Reg. No:

(2x15=30)