

QP Code: 211019

Reg. No.....

**Second Year B.Sc Medical Microbiology Degree Supplementary
Examinations August 2024
Paper VI – General Microbiology**

(2016 Scheme)

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*

Long Essays

(2x15=30)

1. Define sterilisation. Describe various types of moist heat sterilisation methods. Add brief note on sterilisation control.
2. Classify antibiotics on the basis of mode of action. Describe the mechanisms of action of antibiotics.

Short Essay

(2x10=20)

3. Describe different mechanisms of drug resistance.
4. Gaseous disinfectants.

Short Answers

(6x5=30)

5. F factor.
6. Bacterial growth curve.
7. Plasma sterilisation.
8. Koch's postulates.
9. Bacterial spore.
10. Triple sugar iron agar.

Comment on

(10x2=20)

11. Transport media.
12. Gene therapy.
13. E test.
14. Inspissation.
15. Cold sterilisation.
16. RT-PCR.
17. Lawn culture.
18. Slime layer.
19. Capnophilic bacteria.
20. Antibiotic stewardship.
