

QP Code: 211019

Reg. No.....

**Second Year B.Sc Medical Microbiology Degree Supplementary
Examinations October 2023
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 sterilization and disinfection. Describe principle and uses of Autoclave. Add a note on chemical sterilants and the testing of disinfectants.
2. Describe the mechanism of commonly used antibiotics, antibiotic resistance mechanism. Write about different antimicrobial susceptibility testing methods.

Short Essay

(2x10=20)

3. What are the factors affecting growth of bacteria and describe bacterial growth curve.
4. What are the different methods for culturing bacteria.

Short Answers

(6x5=30)

5. Contributions of Robert Koch
6. Bacterial taxonomy
7. Bacterial capsule
8. DNA replication
9. Enriched media
10. Citrate utilization test.

Comment on

(10x2=20)

11. Alcohol fermentation
12. Sulphur cycle
13. Mutation
14. Pour plate
15. Viable count
16. Pili
17. L- forms
18. Capnophilic bacteria
19. Asepsis
20. Plasmid
