

QP Code: 211019

Reg. No.....

**Second Year B.Sc Medical Microbiology Degree Regular/Supplementary
Examinations April 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 disinfection and discuss in detail the various classes of disinfectants, their mechanism of action and application. Add a brief note on testing of disinfectants.
2. Discuss the properties of a good culture medium. Describe in detail the classification of culture media giving examples for each. Discuss the role of buffers in culture media.

Short Essay

(2x10=20)

3. Methods of antibiotic susceptibility testing
4. Principle, working and uses of autoclave

Short Answers

(6x5=30)

5. Bacterial growth curve
6. Anaerobic culture methods
7. Principle and procedure of coagulase test
8. Differential stains
9. Bacterial spore
10. Role of microorganism in vinegar production

Comment on

(10x2=20)

11. Fimbria
12. Thermophilic bacteria
13. Antiseptics
14. Carbon cycle
15. Mutation
16. Bacterial capsule
17. Episomes
18. Seitz filter
19. Viable count
20. L forms
