

QP Code: 211019

Reg. No.....

**Second Year B.Sc Medical Microbiology Degree Regular/Supplementary
Examinations October 2019**

**Paper VI – General Microbiology
(2016 Scheme)**

Time: 3 hrs

Max Marks: 100

- **Answer all Questions**
- **Draw diagrams wherever necessary**

Long Essays

(2x15=30)

1. Describe in detail the different anaerobic culture methods.
2. Define sterilisation. Enumerate the different methods of moist heat sterilisation. Describe in detail the principle, working and sterilisation controls of autoclave.

Short Essay

(2x10=20)

3. Describe briefly the phylogenetic classification of bacteria.
4. Describe the methods of testing of disinfectants

Short Answers

(6x5=30)

5. Differential stain
6. Bacterial spore
7. Extended spectrum beta lactamase (ESBL)
8. Bacterial growth curve
9. Oxidase test
10. Carbon cycle of microorganism

Comment on

(10x2=20)

11. Continuous culture
12. Mutation
13. Electron transport chain
14. High efficiency particulate air (HEPA) filter
15. Transport media
16. Macconkey agar
17. Vinegar production
18. Rapid identification tests in bacteriology
19. Louis Pasteur
20. Protein synthesis inhibitors
