

QP Code: 211019

Reg. No.....

**Second Year B.Sc Medical Microbiology Degree Supplementary
Examinations April 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 structure of bacterial cell
2. Define sterilisation. Enumerate the physical methods of sterilisation. Discuss the principle, working, applications and sterilisation control of hot air oven.

Short Essay

(2x10=20)

3. Dilution tests for antibiotic susceptibility testing
4. Systems of classification of bacteria

Short Answers

(6x5=30)

5. Bacterial count
6. Anaerobic culture media
7. Sugar fermentation tests for identification of bacteria
8. Stains used for granules
9. Filtration as a method of sterilisation
10. Role of microorganism in alcohol fermentation

Comment on

(10x2=20)

11. Flagella
12. Mesophilic bacteria
13. Sporicidal disinfectants
14. Oxidase test
15. Transduction
16. Antibiotics active against cell wall.
17. Transposons
18. Membrane filter
19. Nitrogen cycle
20. Spheroplast
