

QP Code: 201019

Reg. No.....

Second Year B.Sc. Medical Microbiology Supplementary Examinations

April 2017

General Microbiology

Time: 3 Hours

Total Marks: 100

- **Answer all the questions**
- **Draw diagrams wherever necessary**

Essay

(2x15=30)

1. Describe the different method of transmission of genetic materials, giving examples. Add a note on genetic mechanism of drug resistance.
2. Classify the different methods of dry & moist heat sterilization and describe the methods. Add a note on cold sterilization.

Short Essay

(2x10=20)

3. Describe briefly the role of microorganism in agriculture.
4. Describe the different types of aerobic culture methods.

Short Notes

(6x5=30)

5. Bacterial flagella
6. Enrichment media
7. Spheroplast
8. Testing of disinfectants
9. Evaluation of antimicrobial potency
10. Microorganisms for vinegar production

Answer Briefly

(10x2=20)

11. Capsule of bacteria
12. Tellurite agar
13. Bacterial filters
14. Gram positive cell wall
15. Viable count of bacteria
16. Maintenance of stock cultures
17. Oxidase test
18. Krebs cycle
19. Gaspak method
20. Pour plate culture
