

**Time: Three Hours****Max. Marks: 100 Marks****MICROBIOLOGY -Paper -I
(RS2 & RS3 SCHEME)****QP Code: 1083**

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

LONG ESSAYS**2 x 10 = 20 Marks**

1. Define and classify sterilization. Discuss dry heat sterilization. 1+3+6
2. Describe pathogenesis and laboratory diagnosis of Diphtheria. Add a note on prophylaxis.
3+4+3

SHORT ESSAYS**10 x 5 = 50 Marks**

3. Bacterial spore
4. Growth curve of bacteria
5. Laboratory diagnosis of cholera
6. Type III hypersensitivity
7. Structure of Ig A
8. Passive immunity
9. Give a brief account of cells of lymphoreticular system
10. Laboratory diagnosis of pulmonary tuberculosis
11. VDRL test
12. Pathogenesis of tetanus

SHORT ANSWERS**10 x 3 = 30 Marks**

13. Enumerate bacteria causing acute pyogenic meningitis in various age groups of patients
14. Presumptive coliform count
15. Anaerobic culture media
16. Properties of antigen
17. Types of primary immunodeficiency diseases and one example for each
18. Chemical mediators of anaphylaxis and their actions
19. Enumerate various methods of performing antimicrobial susceptibility testing
20. Weil Felix test
21. Methods to detect carriers of typhoid fever
22. Enumerate agents causing various types of bacterial food poisoning
