

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. Describe the structure and functions of Immunoglobulin G. Add a note on monoclonal antibodies.[4+3+3]
2. Classify medically important Clostridia. Describe pathogenesis and laboratory diagnosis of gas gangrene[2+4+4]

SHORT ESSAYS

10 x 5 = 50 Marks

3. Structure of bacterial cell wall
4. Disinfectants used in hospitals
5. Pathogenesis of Typhoid fever
6. Mechanism of Anaphylaxis.
7. Bacteriological examination of drinking water
8. Q fever
9. Immunoprophylaxis of diphtheria
10. Etiology and laboratory diagnosis of acute pyogenic meningitis.
11. Blood culture
12. Diarrhoeogenic E.coli

SHORT ANSWERS

10 x 3 = 30 Marks

13. Selective media
14. Koch's postulates
15. Prozone phenomenon
16. Uses and demerits of VDRL test
17. Laboratory diagnosis of Staphylococcal skin infection
18. Mantoux test
19. Mechanism of action of cholera toxin
20. Events in log phase of bacterial growth curve
21. Adjuvants
22. Complement deficiency diseases