

MICROBIOLOGY-I

Time: 3 Hours

Max Marks: 80

Note: Give Diagrammatic representation wherever necessary.

Write an essay on any TWO of the following:

2 X 10 = 20

1. Define Standard Precautions. Enumerate personal protective equipment. Describe contact precautions.
2. Define Hypersensitivity reaction. Enumerate types of Hypersensitivity reactions with one example for each. Describe type I Hypersensitivity reaction.
3. Give Pathogenesis and laboratory Diagnosis for Pulmonary Tuberculosis.

Write a short note on any SIX of the following:

6 X 5 = 30

4. Louis Pasteur.
5. Chemical disinfectants.
6. Five moments of Hand Hygiene.
7. Acquired Immunity.
8. Bacterial flagellum
9. Laboratory Diagnosis of Enteric Fever.
10. Tuberculin test.
11. Alternate pathway of complement activation.

Write briefly on the following:

10 X 3 = 30

12. Draw a neat labelled diagram of Bacterial growth curve.
13. Three Non-Sporing Anaerobes.
14. Staining method.
15. Enumerate three bacteria causing food poisoning.
16. Give three disease caused by Spirochetes.
17. Quelling reaction.
18. Immunoglobulin Molecule.
19. Steps of Gram Staining.
20. Types of Hospital Acquired Infections.
21. Non-Suppurative complications caused by S. Pyogenes.
