

MICROBIOLOGY

Time: 3 Hours

Max Marks: 75

Note: Answer all questions

Draw diagrams whenever necessary with Black Ball point pen /HB pencil /any dark

Color pencil

Write an essay on any TWO of the following:

2 X 15 = 30

1. Explain in detail about the historical perspective of an important contributor for Microbiology.
2. List the fungal infection(mycosis) in humans. Discuss briefly about symptoms, diagnosis and prevention methods of fungal infections.
3. Define immunity and types of immunity with suitable examples.

Write a short note on any FIVE of the following:

5 X 5 = 25

4. Write about staining and different types of staining techniques.
5. Agglutinates and Agglutination reaction.
6. Corynebacterium Diphtheria.
7. Write about Robert Koch's 4 postulates.
8. Write about culture and various culture medias.
9. Explain about Syphilis.
10. National immunisation schedule.

Write briefly on the following:

10 X 2 = 20

11. Amoebiasis.
12. Cold chain.
13. Vaccine.
14. Sterilization.
15. List out various sources of biomedical waste.
16. Define MDRO.
17. Define vulnerable patients.
18. Root Cause Analysis of infection.
19. Needle Stick Injuries prevention.
20. Post exposure prophylaxis.
