

CRITICAL CARE TECHNOLOGY

PAPER-II

MICROBIOLOGY

Time: 3 Hours

Max Marks: 80

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 questions:

2 X 10 = 20

1. Define Disinfection. Name some commonly used disinfectants. Explain in detail about Povidone and Glutaraldehyde.
2. Classify the types of waste generated in hospital and add a note on Biomedical waste management.
3. Explain the viruses causing Hepatitis. Describe laboratory diagnosis of Hepatitis B.

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Nosocomial infections.
5. Barrier nursing methods used in ICU.
6. Prevention of HIV.
7. Post exposure prophylaxis of Rabies.
8. Microbiological surveillance and its importance.
9. Differences between sterilization and disinfection.

Write briefly on the following:

10 X 3 = 30

10. Rober Koch.
11. Causes of UTI.
12. Viral vaccines.
13. Enumerate four agents transmitted by aerosols.
14. Enumerate four transfusion transmitted infections.
15. MDR TB.
16. Gram negative bacteria.
17. Immunity.
18. Sodium Hypochlorite.
19. PPE kit and its disposal.
