

Time: Three Hours

Max. Marks: 75 Marks

MICROBIOLOGY
(RS-3 & RS-4)

Q.P. CODE: 1735

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Classify streptococci. Describe the morphology, pathogenicity and laboratory diagnosis of streptococcus pyogenes.
2. Classify antigen-antibody reactions. Describe agglutination reactions.
3. Describe the morphology, life cycle, pathogenicity and laboratory diagnosis of E. histolytica.

SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. ELISA
5. Lesions produced by herpes simplex virus.
6. Antibiotic sensitivity tests
7. Innate immunity
8. Prophylaxis against poliomyelitis
9. c. albicans
10. Laboratory diagnosis of syphilis
11. Hepatitis A virus
12. Mycetozoa



SHORT ANSWERS

10 x 2 = 20 Marks

13. Tyndallisation
14. Name the heaviest immunoglobulin and the immunoglobulin that can cross the placenta.
15. Atopy
16. Name two differences between tuberculoid and lepromatous leprosy.
17. Name four common Hospital infections.
18. Name 2 viruses that produce intracytoplasmic inclusion bodies.
19. Name 2 serological tests for the diagnosis of HIV infection.
20. Draw a neat and labeled diagram of ova of A. lumbricoides.
21. Exotoxins
22. Name 2 protozoal parasites causing diarrhea.
