



Rajiv Gandhi University of Health Sciences, Karnataka

III year B.Sc. (M.L.T) Degree Examination – MAY 2016

Time: Three Hours

Max. Marks: 80 Marks

MICROBIOLOGY – III (RS-2)

Q.P. CODE: 2902

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. Describe the structure of Immunoglobulin in detail. Add a note on the functions of each class of Immunoglobulins.
2. Describe the morphology, cultivation, pathogenicity and laboratory diagnosis of Clostridium tetani. Add a note on its prophylaxis.
3. Describe the morphology, cultivation, pathogenicity and laboratory diagnosis of Vibrio cholerae.

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. T cells development and functions
5. Type 2 hypersensitivity
6. Mechanism of Autoimmune disorders
7. Methicillin resistant Staphylococcus aureus
8. Laboratory diagnosis of Pneumococcal infections
9. Food poisoning caused by Clostridium perfringens
10. Clinical manifestation of Gonorrhoea
11. Non serological methods for the diagnosis of enteric fever

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

12. Hapten
13. Immune sera
14. Enumerate the factors affecting immune response.
15. Give any three examples autoimmune disorders.
16. Atopy
17. CAMP test
18. Anti-diphtheritic serum
19. MacFadyean's reaction
20. Hemorrhagic E.coli
21. Weil and Felix test
22. Bubonic plague
23. FTA test
