

Rajiv Gandhi University of Health Sciences, Karnataka
III year B.Sc. (M.L.T) Degree Examination – Aug 2013

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

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LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Classify Mycobacteria of medical importance. Describe in detail pathogenicity and laboratory diagnosis of Pulmonary Tuberculosis
2. Define and classify Hypersensitivity. Discuss Type I Hyper Sensitivity in detail.
3. Enumerate Anaerobic bacteria pathogenic to man. Describe briefly pathogenicity and laboratory diagnosis of Tetanus. Add a note on the Post Exposure Prophylaxis

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. *Monoclonal antibodies*

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5. Structure and function of Ig M
6. Vaccines
7. VDRL test
8. Bacterial Meningitis
9. *Innate immunity*
10. Bacillary dysentery
11. *Helicobacter pylori*

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

12. *Graft versus Host reaction*

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13. Three differences between Exotoxin and Endotoxin
14. Cytokines
15. Morphology of *C. diphtheriae*
16. IMViC test
17. Oxidase test and 2 positive examples
18. Enumerate diarrhoeagenic *E coli*
19. Significant bacteriuria
20. CAMP test
21. Selective media for *Vibrio cholerae*
22. Lepromin test

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23. Define nosocomial infection with 2 causative agents

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