

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 (Revised Scheme)****Q.P. CODE: 1610**

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 Arboviruses. Discuss pathogenicity and laboratory diagnosis of dengue fever.
2. Name antigen-antibody reactions. Describe the principle and applications of precipitation reactions.
3. List fungi causing systemic infections. Give a detailed account of Histoplasmosis.

SHORT ESSAYS (Answer any Eight)**8 x 5 = 40 Marks**

4. Immunoglobulin 'M'
5. Coomb's test
6. Mechanisms of autoimmunity
7. T lymphocyte
8. Hybridoma
9. Interferon
10. Rubella virus
11. Oncogenic viruses
12. Rhinosporidiosis
13. Polio vaccines

SHORT ANSWERS**10 x 2 = 20 Marks**

14. Germ tube test
15. Sabouraud's dextrose agar
16. Name any two killed viral vaccines
17. Actinomycetes
18. Polymerase chain reaction
19. Cytopathic effect
20. Atopy
21. Adjuvants
22. Japanese encephalitis virus
23. Paul-Bunnell test
