



Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (MLT) Degree Examination - April 2017

Time: Three Hours

Max. Marks: 80 Marks

Microbiology – Paper III (RS-3 Scheme)

Q.P. CODE: 3160

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY (Any Two)

2 x 10 = 20 Marks

1. Define and classify immunity. Explain in detail about acquired immunity.
2. List RNA viruses. Describe the Morphology, Pathogenicity and laboratory diagnosis of Human immunodeficiency virus.
3. Classify fungi. Discuss in detail about pathogenicity and laboratory diagnosis of Sporotrichosis.

SHORT ESSAY (Any Six)

6 x 5 = 30 Marks

4. Pathogenicity and laboratory diagnosis of Influenza virus
5. Laboratory diagnosis Rabies
6. Types IV hypersensitivity
7. Pathogenicity and Laboratory diagnosis of Hepatitis A Virus
8. Write a note on mycotoxins.
9. Mycetoma
10. Agglutination reactions
11. Preparation and Application of Monoclonal Antibodies

SHORT ANSWERS (Any Ten)

10 x 3 = 30 Marks

12. Germ tube test
13. Name any 3 important properties of antigen
14. Differences between T cell and B cell (Any three)
15. Name 3 Congenital viral infection
16. Name 3 stains used in study of fungus
17. Name 3 precipitation reaction
18. Name 3 Viral Vaccines
19. Name any three dimorphic fungi
20. Morphology of Penicillium
21. KOH mount
22. Name 3 paramyxoviruses
23. Natural Killer Cells
