



Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (MLT) Degree Examination - APRIL-2019

Time: Three Hours**Max. Marks: 80 Marks**

Microbiology Paper III (Revised Scheme-3) 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. Enumerate the complement pathways and describe the classical complement pathway and its biological effects. (3+4+4)
2. List the fungi causing opportunistic infections. Describe in detail lab diagnosis of cryptococcosis. (4+6)
3. List viruses transmitted by insect Vectors. Describe the laboratory diagnosis of dengue infection. (4+6)

SHORT ESSAY (Any Six)**6 x 5 = 30 Marks**

4. Immunoprophylaxis of Rabies virus infections.
5. Determinants of antigenicity.
6. IgM.
7. Mucormycosis.
8. Immunofluorescence test.
9. Antigenic variation in Influenza virus.
10. Laboratory diagnosis of candid infections.
11. Mycetoma.

SHORT ANSWERS (Any Ten)**10 x 3 = 30 Marks**

12. Name THREE viruses causing infections of skin.
13. Name THREE fungal infections causing systemic infections.
14. THREE Phagocytic cells.
15. Name THREE viral infections transmitted through food and water.
16. Graft V/s host reaction.
17. List THREE differences between active and passive immunity.
18. Name THREE dermatophytes,
19. Name THREE commonly used media in Mycology.
20. Name THREE live attenuated viral vaccines.
21. List THREE methods of virus culture.
22. Infections caused by Cytomegalovirus.
23. KOH mount.

