



Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (MLT) Degree Examination - MAY 2016

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. Classify immunity. Discuss in detail about innate immunity.
2. List the Arboviral diseases seen in India. Describe the pathogenesis and laboratory diagnosis of dengue.
3. Enumerate dimorphic fungi. Describe the pathogenesis and laboratory diagnosis of Histoplasmosis.

SHORT ESSAY (Any Six)

6 x 5 = 30 Marks

4. Viral inclusion bodies
5. Antigenic shift and antigenic drift
6. Hepatitis A virus
7. Laboratory diagnosis of HIV
8. Laboratory diagnosis of cryptococcosis
9. Write a note on mycotoxins.
10. Differences between T and B cells
11. Explain about hybridoma technology. Add a note on its uses.

SHORT ANSWERS (Any Ten)

10 x 3 = 30 Marks

12. Name three live viral vaccines.
13. Enumerate any three viral haemorrhagic fevers.
14. Name three agents of viral gastroenteritis.
15. List three antifungal agents.
16. Heterophile antigens.
17. Adjuvants
18. Natural killer cells
19. Draw a labeled diagram of IgA
20. Name three fungal culture media
21. Germ tube test
22. Name three opportunistic fungal infections
23. Name three fungi causing subcutaneous mycoses.
