

Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (MLT) Degree Examination - 03-Jun-2024

Time: Three Hours

Max. Marks: 80 Marks

MICROBIOLOGY - PAPER III (RS-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 Antigen-Antibody reactions. Explain ELISA.
2. Explain the morphology, pathogenicity, laboratory diagnosis and prophylaxis of polio virus.
3. Classify fungi. Discuss in detail about pathogenicity and laboratory diagnosis of candidiasis.

SHORT ESSAY (Any Six)

6 x 5 = 30 Marks

4. Dimorphic fungi.
5. Structure of Immunoglobulin.
6. Differences between HSV-1 and HSV-2
7. Laboratory diagnosis of Fungal infections.
8. Type IV hypersensitivity reaction.
9. Define Arboviruses. Mention general properties and classify with examples.
10. Sources and modes of transmission of infection.
11. Laboratory diagnosis of HIV.

SHORT ANSWERS (Any Ten)

10 x 3 = 30 Marks

12. Serological markers in Hepatitis-B infection.
13. Differences between Active and Passive immunity.
14. Give three examples for Autoimmune disorders.
15. General properties of Viruses.
16. Monoclonal antibodies.
17. Give three examples for viral haemorrhagic fevers.
18. Complement fixation test.
19. Inclusion bodies.
20. Slide culture technique.
21. Classify fungal diseases and give example.
22. Name three species of Aspergillus.
23. Name three fungi producing mycotoxins.
