

Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (MLT) Degree Examination - 20-May-2025

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. Define immunity and classify. Explain mechanisms of innate immunity.
2. Enumerate Hepatitis Viruses. Describe morphology, laboratory, diagnosis and prophylaxis of Hepatitis B Virus.
3. Explain properties, classification, clinical types and laboratory diagnosis of Dermatophytes.

SHORT ESSAY (Any Six)

6 x 5 = 30 Marks

4. Explain morphological classification of fungi.
5. Primary and secondary immune response.
6. Agglutination tests.
7. Polio Vaccines.
8. Cryptococcosis.
9. Mechanisms of Autoimmunity.
10. Pathogenesis and laboratory diagnosis of Dengue fever.
11. Cultivation of viruses.

SHORT ANSWERS (Any Ten)

10 x 3 = 30 Marks

12. Structure of HIV.
13. Types of Antigens.
14. Ig A
15. Type IV hypersensitivity.
16. Name their immunodeficiency diseases.
17. Name three dimorphic fungi.
18. Germ tube test.
19. Prions.
20. Cytopathic Effect.
21. SDA.
22. Give three examples of RNA viruses.
23. Name three species of Aspergillus.
