

# Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (MLT) Degree Examination - 14-Dec-2022

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. List the types of antigen antibody reactions and describe in detail the principle and applications of Agglutination reaction.
2. Enumerate the infections caused by Candida species. Describe the lab diagnosis of candidiasis.
3. Discuss the pathogenesis, lab diagnosis and Immunoprophylaxis of Hepatitis B.

### SHORT ESSAY (Any Six)

6 x 5 = 30 Marks

4. Type IV hypersensitivity.
5. Methods of cultivation of viruses.
6. Slide culture technique.
7. Laboratory diagnosis of Rabies virus infection.
8. Zygomycosis.
9. Mechanisms of Innate Immunity.
10. Differences between primary and secondary immune response.
11. Diagnose of HIV infection.

### SHORT ANSWERS (Any Ten)

10 x 3 = 30 Marks

12. What are inclusion bodies? Give THREE examples.
13. Name THREE fungi causing skin infections.
14. Name THREE stains used for Fungi.
15. THREE viral vaccines.
16. Name THREE mediators involved in Type I Hypersensitivity reactions.
17. Name THREE interferons.
18. Name THREE viruses causing encephalitis.
19. THREE Autoimmune disorders.
20. THREE uses of ELISA.
21. Name THREE types of fungal spores.
22. Name THREE viruses causing diarrhea.
23. Morphology of Aspergillus species.

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