

Rajiv Gandhi University of Health Sciences, Karnataka
Third Year B.Sc. Medical Laboratory Technology Degree Examination – 29-Oct-2025

Time: Three Hours

Max. Marks: 100 Marks

MICROBIOLOGY – III (RS-4)

Q.P. CODE: 3283

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Second Question Choice)

2 x 10 = 20 Marks

1. Define and classify Immunity. Discuss innate immunity
2. Enumerate sexually transmitted viruses. Describe the morphology, pathogenesis and laboratory diagnosis HIV

OR

Enumerate the Arbovirus seen in India. Describe the pathogenesis, laboratory diagnosis of Dengue. Add a note on its complications

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Aspergillosis
4. Monoclonal antibodies
5. Laboratory diagnosis of Rabies

OR

Pneumocystis carinii pneumonia – pathogenicity and lab diagnosis

6. Cryptococcus neoformans – pathogenicity and lab diagnosis
7. Serological marker of hepatitis B
8. IgG – structure and function
9. Type III hypersensitivity
10. Epstein Barr Virus – pathogenicity and lab diagnosis

OR

Sporotrichosis – pathogenicity and lab diagnosis

11. ELISA
12. Prophylaxis polio

SHORT ANSWER

10 x 3 = 30 Marks

13. Draw a neat labelled diagram of embyonated egg
14. Germ tube test
15. Name three viruses which causes diarrhoea
16. Heterophile antigen
17. Reverse passive agglutination
18. Name three Oncogenic virus
19. Name three autoimmune disease
20. Name three viruses causing zoonotic disease
21. Keratomycosis
22. KOH mount

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