

Rajiv Gandhi University of Health Sciences, Karnataka
III Year B.Sc. (M.L.T) Degree Examination – 08-May-2026

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 Hypersensitivity. Explain in detail Anaphylaxis.
2. Classify Picorna viruses. Explain pathogenesis and laboratory diagnosis of Polio virus.

OR

Discuss the pathogenesis and lab diagnosis of candidiasis.

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Principles and diagnostic applications of ELISA.
4. Biological effects of complement.
5. Pathogenesis and laboratory diagnosis of Pneumocystosis.

OR

Laboratory diagnosis of Dermatophytes.

6. Slide culture technique.
7. Mechanism of Innate immunity.
8. Delayed type of Hypersensitivity.
9. Describe briefly Agglutination reactions.
10. Blastomycosis.

OR

Describe prophylaxis of Rabies.

11. Write a note on superficial mycosis.
12. Virus host interaction.

SHORT ANSWER

10 x 3 = 30 Marks

13. Slide culture technique.
14. Ramsey hunt syndrome.
15. Paul-Bunnell test.
16. Chick embryo culture.
17. Name three fungal culture media.
18. Name three arboviral diseases.
19. Germ tube test.
20. Name three RNA viruses.
21. Radio-immuno assay test.
22. Name three antifungal agents.
