

Rajiv Gandhi University of Health Sciences, Karnataka
III Year B.Sc. (M.L.T) Degree Examination – 27-Nov-2023

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. Enumerate the antigen – antibody reactions. Explain in detail about principle, procedure and applications of enzyme linked immune sorbent assay (ELISA).
2. Classify fungi based on pathogenicity. Explain in detail about laboratory diagnosis of mycosis.

OR

List the RNA viruses. Describe the morphology, pathogenesis and laboratory diagnosis of Rabies virus. Add a note on its prophylaxis.

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Mycetoma – classification, pathogenicity and laboratory diagnosis.
4. Prophylaxis of poliomyelitis.
5. Influenza viruses – Morphology, pathogenesis and laboratory diagnosis.

OR

Herpes simplex virus – pathogenesis and laboratory diagnosis.

6. Describe the general properties of complement system. Add a note on its biological effects.
7. Hepatitis B virus – morphology and universal precautions to prevent Hepatitis B infection.
8. Anaphylaxis reaction.
9. Pathogenicity and laboratory diagnosis of Pneumocystis.
10. Write a note on antifungal agent.

OR

Discuss in detail about Chikungunya infection.

11. Discuss in detail about corona virus.
12. Discuss in detail about Blastomycosis.

SHORT ANSWER

10 x 3 = 30 Marks

13. Name three viruses causing gastroenteritis.
14. Name three oncogenic viruses.
15. Mode of transmission of Hepatitis C infection.
16. Name three opportunistic mycosis.
17. Disease caused by V-Z (Varicella-Zoster) virus.
18. List different classes of immunoglobulins.
19. Inclusion bodies.
20. Name three congenital viral infections.
21. Name any three clinical manifestations of candida albicans
22. Name three genera of dermatophytes.
