

Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (M.L.T) Degree Examination – 25-Nov-2024

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 reaction. Describe in detail about type I hypersensitivity reaction.
2. Classify Picorna viruses. Explain the pathogenicity and laboratory diagnosis poliomyelitis. Add a note on its prophylaxis.

OR

Enumerate the dimorphic fungi. Explain in detail about pathogenesis and laboratory diagnosis of Histoplasmosis.

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Pathogenicity and laboratory diagnosis of Hepatitis B virus.
4. Pathogenicity and laboratory diagnosis of Cryptococcus Neoformans.
5. General properties of virus.

OR

Morphology and laboratory diagnosis of Influenza virus.

6. Differences between active and passive immunity.
7. Write a note on antifungal agents.
8. Pathogenicity and laboratory diagnosis of Dengue infection.
9. Explain in detail about hybridoma technology. Add a note on its uses.
10. Slide culture technique.

OR

Mucor mycosis – pathogenicity and laboratory diagnosis.

11. Precipitation reaction mechanism and applications.
12. Cultivation of viruses.

SHORT ANSWER

10 x 3 = 30 Marks

13. Name any three viruses causing diarrhoea.
14. Name three RNA viruses.
15. Name three mycotoxins.
16. Name three opportunistic infections seen in AIDS patient.
17. Morphology of Rhinosporidium.
18. Name three arboviral infections.
19. Name three subcutaneous mycosis.
20. Name three paramyxoviruses.
21. Natural killer cells.
22. KOH preparation.
