Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (MLT) Degree Examination - 29-Oct-2026

Time: Three Hours **Max. Marks: 80**

MICROBIOLOGY – PAPER III (RS-3)
Q.P. CODE: 3160

Your answers should be specific to the questions asked
Draw neat, labelled diagrams wherever necessary

LONG ESSAY (Any Two) **2 x 10 = 20 Marks**

1. List RNA viruses. Describe the morphology, pathogenicity and laboratory diagnosis HIV
2. Enumerate the fungi causing subcutaneous mycosis. Give a detailed account of the clinical manifestations and diagnosis of sporotrichosis
3. Define and classify Hypersensitivity. Describe type IV hypersensitivity

SHORT ESSAY (Any Six) **6 x 5 = 30 Marks**

4. General properties of viruses
5. Monoclonal antibodies
6. Laboratory diagnosis of cryptococcosis
7. Difference between active and passive immunity
8. Mucormycosis
9. Laboratory diagnosis of rabies
10. Darling's disease
11. Biological functions of complements

SHORT ANWERS (Any Ten) **10 x 3 = 30 Marks**

12. KOH mount
13. Hapten
14. Name any three properties of T lymphocytes
15. Name any three antiviral agents
16. Name any three superficial mycoses
17. Name any three dimorphic fungi
18. Antigen presenting cells
19. Cultivation of viruses
20. Adjuvants
21. Name any three congenital viral infections
22. Name any three precipitation reactions
23. Rota virus

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