

# Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (MLT) Degree Examination - 25-Nov-2024

**Time: Three Hours**

**Max. Marks: 80 Marks**

## **MICROBIOLOGY – PAPER III (RS-3)**

**Q.P. CODE: 3160**

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

### **LONG ESSAY (Any Two)**

**2 x 10 = 20 Marks**

1. Define and classify immunity. Explain Acquired immunity in detail.
2. Classify the fungi based on morphology with examples. Explain the etiological agent, pathogenicity and laboratory diagnosis of Histoplasmosis.
3. Explain the morphology, pathogenicity and laboratory diagnosis of HIV-AIDS.

### **SHORT ESSAY (Any Six)**

**6 x 5 = 30 Marks**

4. Viral cultivation
5. Herpes simplex virus
6. Dengue
7. Ig M
8. ELISA
9. Properties of Antigens
10. Aspergillosis
11. Anaphylaxis

### **SHORT ANSWERS (Any Ten)**

**10 x 3 = 30 Marks**

12. Human leucocyte antigen
13. Biological vectors
14. T lymphocytes
15. Name any three viruses causing Diarrhea.
16. Prophylaxis of Polio
17. Viral inclusion bodies
18. Rhinosporidiosis
19. Mycotoxins
20. Hepatitis C virus
21. MMR
22. Define agglutination. Give two examples.
23. Germ tube test

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