



## Rajiv Gandhi University of Health Sciences, Karnataka

**III Year B.Sc. (MLT) Degree Examination - 26-Aug-2020**

**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. Enumerate antigen and antibody reaction. Describe the principle about agglutination reaction with examples.
2. Describe and classify immunity write in detail about innate immunity.
3. Classify Herpes Virus. Write in detail the laboratory diagnosis of Herpes Simplex virus.

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

**6 x 5 = 30 Marks**

4. Classify non-neural rabies vaccine with examples.
5. Slide culture technique.
6. Dimorphic fungi.
7. Allograft rejection.
8. Anaphylaxis.
9. Prophylaxis of Polio.
10. Antigenic variations seen in influenza virus.
11. Laboratory diagnosis of Hepatitis B virus.

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

**10 x 3 = 30 Marks**

12. Name three differences between Rhizopus and Mucor.
13. Name three arboviral diseases seen in India.
14. Name THREE Antiviral agents.
15. Draw a neat labelled diagram of HIV.
16. Graft vs host reaction.
17. Nipah Virus.
18. Draw a neat labeled diagram of Immunoglobulin M.
19. Define Autoimmunity give two examples of Autoimmune disease.
20. Name three staining techniques used in Mycology.
21. Name three differences between primary immune response and secondary immune response.
22. Chemiluminescence Assay.
23. Define Hapten and give examples.

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