

# Rajiv Gandhi University of Health Sciences, Karnataka

## II Year B.P.T. Degree Examination – 10-Nov-2025

**Time: 3 Hours  
40**

**Max. Marks:**

### **Microbiology - (RS-5)**

**Q.P. Code: 2738**

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

**(Note : Both QP Codes 2737 and 2738 are to be answered within total duration of 3 hours)**

### **LONG ESSAYS (Answer any One)**

**1 x 10 = 10 Marks**

1. Define and classify hypersensitivity reactions. Discuss type-I hypersensitivity
2. Enumerate viruses causing hepatitis. Describe the pathogenesis and laboratory diagnosis of Hepatitis-B virus. Add a note on its prophylaxis

### **SHORT ESSAYS (Answer any Three)**

**3 x 5 = 15 Marks**

3. Tuberculin test
4. Enumerate sexually transmitted diseases. Add a note on laboratory diagnosis of syphilis
5. Determinants of Antigenicity
6. Bacterial capsules

### **SHORT ANSWERS**

**5 x 3 = 15 Marks**

7. Black water fever
8. Define biological vectors. Give two examples
9. Give three examples of RNA viruses
10. Name any three Zoonotic diseases
11. Name three opportunistic fungi

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