

Rajiv Gandhi University of Health Sciences, Karnataka
II Year B.P.T. Degree Examination – 10-Nov-2025

Time: 3 Hours

Max. Marks: 40

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)

$1 \times 10 = 10$ 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)

$3 \times 5 = 15$ 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

$5 \times 3 = 15$ 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
