

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**II Year B.Sc. Respiratory Care Technology Degree Examination – 23-May-2025**

**Time: Three Hours**

**Max. Marks: 50**

**Applied Microbiology (RS-3)**

**Q.P. CODE: 3397**

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary

**(Note: Both QP Codes 3396 and 3397 are to be answered within total duration of 3 hours)**

**LONG ESSAYS (Answer any One)**

**1 x 10 = 10 Marks**

1. What are Hepatotropic viruses? Write a note on them and explain Hepatitis B Virus in detail?
2. Describe disinfection of instruments used in patient care. Explain advantages and disadvantages of various methods

**SHORT ESSAYS (Answer any Five)**

**5 x 5 = 25 Marks**

3. Vancomycin resistant Enterococci
4. Universal Precautions
5. Cytomegalovirus infection
6. Air sampling methods
7. Gaseous Sterilization
8. Uses of Autoclave

**SHORT ANSWER**

**5 x 3 = 15 Marks**

9. Hand washing Techniques
10. Incineration
11. Name three DNA viruses
12. Hot air oven
13. Name three Gram negative bacteria

\*\*\*\*\*