

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**II Year B.Sc. Renal Dialysis Technology Degree Examination – 30-Oct-2025**

**Time: Three Hours**

**Max. Marks: 50 Marks**

**Applied aspects of Microbiology (RS-3)**

**Q.P. CODE: 3403**

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

**(Note: Both QP Codes 3301 and 3403 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? Explain Hepatitis B virus in detail.
2. List out the pathogens causing UTI and explain in detail sample collection and diagnosis of Urinary Tract Infections.

**SHORT ESSAYS (Answer any Five)**

**5 x 5 = 25 Marks**

3. Lab diagnosis of HIV infection.
4. Universal precautions.
5. Aspergillosis.
6. Methods of sterilization.
7. Prevention of Opportunistic infections.
8. Antibiotic sensitivity testing.

**SHORT ANSWER (Answer any FIVE)**

**5 x 3 = 15 Marks**

9. Hand washing techniques.
10. Used of Gram's staining.
11. Sero-markets of HBV.
12. Hot air oven.
13. Name three DNA viruses.
14. Chemical disinfectants.

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