

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. Use of Gram's staining.
11. Sero-markers of HBV.
12. Hot air oven.
13. Name three DNA viruses.
14. Chemical disinfectants.
