Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Renal Dialysis Technology Degree Examination – 31-Oct-2026

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 is catheter associated bloodstream infections? Enumerate organism causing blood stream infection. Write briefly laboratory diagnosis and precautions while inserting a central line.

2. Enumerate the organism causing UTI. Explain in detail laboratory diagnosis of UTI. Add a note on prevention of UTI.

SHORT ESSAYS (Answer any Five) **5 x 5 = 25 Marks**

3. Hepatotropic viruses transmitted by the faeco-oral route.
4. Candida species as an opportunistic pathogen.
5. Write life cycle of Toxoplasma gondii.
6. Principle and procedure of Ziehl-Neelsen staining.
7. Describe Hepatitis D virus.
8. Collection of sputum sample for culture.

SHORT ANSWER (Answer any FIVE) **5 x 3 = 15 Marks**

9. Name any three universal precautions.
10. ELISA.
11. Antibiotic sensitivity testing.
12. MRSA.
13. Name any three opportunistic infections seen in AIDS patients.
14. Define enriched media. Give two examples.

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