

Rajiv Gandhi University of Health Sciences, Karnataka
II Year B.Sc. Renal Dialysis Technology Degree Examination – 28-Nov-2023

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. Describe the morphology, pathogenesis and laboratory diagnosis of HIV.
2. Describe the microbiology of vascular access infection.

SHORT ESSAYS (Answer any Five)

5 x 5 = 25 Marks

3. Kirby Bauer disc diffusion method.
4. Morphology of HBV and include on its pre-exposure prophylaxis.
5. Hand washing technique.
6. List three bacteria causing UTI and add a note on laboratory diagnosis of UTI.
7. Ziehl-Neelsen staining.
8. Streak plate method.

SHORT ANSWER (Answer any FIVE)

5 x 3 = 15 Marks

9. List RNA Hepatitis virus.
10. Name three gaseous sterilization agents.
11. Name three opportunistic bacterial infections in HIV.
12. Needle stick injuries.
13. Name three gram negative bacteria.
14. Settle plate method.
