

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**II Year B.Sc. Renal Dialysis Technology Degree Examination – 08-May-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. Enumerate the fungi causing opportunistic infection. Explain the pathogenesis and lab diagnosis of candidiasis.
2. Write in detail about universal precautions.

**SHORT ESSAYS (Answer any Five)**

**5 x 5 = 25 Marks**

3. HAV infection.
4. Transport media.
5. Gram staining method and its uses.
6. Autoclave.
7. Write a note on HIV infection.
8. Prevention of UTI.

**SHORT ANSWER (Answer any FIVE)**

**5 x 3 = 15 Marks**

9. Hepatitis C virus.
10. Kirby – Bauer disc diffusion method.
11. Name three Gram positive bacteria.
12. Settle plate method.
13. Z N staining.
14. Name three routes of vascular access for infections.

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