

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**II Year B.Sc. Renal Dialysis Technology Degree Examination – 26-Dec-2022**

**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. Define sterilization. Classify sterilization. Explain in detail about moist heat method of sterilization.
2. Define UTI. Enumerate the causative agents of UTI and add a note on lab diagnosis of UTI.

**SHORT ESSAYS (Answer any Five)**

**5 x 5 = 25 Marks**

3. Antimicrobial susceptibility testing.
4. Clinical manifestations of HIV.
5. Aspergillosis.
6. Lab diagnosis of candidiasis.
7. Settle plate technique.
8. Hepatitis B virus.

**SHORT ANSWER (Answer any FIVE)**

**5 x 3 = 15 Marks**

9. Name any three Hepatotrophic viruses.
10. Name any three opportunistic infections.
11. Draw neat labelled diagram of Hot air oven.
12. Name any three uses of sterilization.
13. Z N staining.
14. Name any three Gram positive bacteria.

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