

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Respiratory Care Technology Degree Examination – 21-Nov-2024

Time: Three Hours

Max. Marks: 50 Marks

Applied Microbiology (RS-3) **Q.P. CODE: 3397**

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary

(Note: Both QP Codes 3396 and 3397 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

1. Define hospital acquired infection. Discuss in detail the common hospital acquired infections and steps you will take to prevent these infections.
2. Discuss the pathogenesis and laboratory diagnosis of Typhoid fever and add a note on preventive measures for Typhoid.

SHORT ESSAYS (Answer any Five)

5 x 5 = 25 Marks

3. Direct surface agar plating technique.
4. Quality control in sterilization.
5. Pathogenesis of Mycobacterium tuberculosis.
6. Ventilator associated pneumonia.
7. Central sterile supply department areas and floor plan.
8. Antimicrobial resistance.

SHORT ANSWER

5 x 3 = 15 Marks

9. Disinfectants used in a hospital.
10. List items that can be sterilized in an autoclave.
11. Plasma sterilization.
12. List three pathogens spread via blood borne route.
13. Transmission based precautions for airborne pathogens.
