

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Respiratory Care Technology Degree Examination – 05-May-2026

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. Enumerate the diseases transmitted by blood borne route in a health care facility and discuss in detail the pathogenesis, laboratory diagnosis and prevention of Human Immunodeficiency virus infection.
2. Define disinfection and discuss in detail various methods of disinfection of instruments used in patient care and the advantages and disadvantages of each method.

SHORT ESSAYS (Answer any Five)

5 x 5 = 25 Marks

3. Tracking and surveillance of hospital acquired infections.
4. Clostridium difficile - clinical manifestations.
5. Classes of chemical indicators of sterilization.
6. Standard precautions.
7. Hepatitis B virus post exposure prophylaxis.
8. Ventilator associated pneumonia.

SHORT ANSWER

5 x 3 = 15 Marks

9. Hepatitis A virus.
10. Floor plan of central supply department.
11. Preventing catheter related blood stream infection.
12. Spaulding's medical device classification.
13. Three infections where contact isolation precautions are required.
