

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Respiratory Care Technology Degree Examination – 28-Oct-2025

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. Describe the layout of central sterile supply department (CSSD) with special note on floor plan for instrument cleaning and sterilizing area. Add a note on its function.
2. List communicable viral infections that infects healthcare workers in hospitals. Describe in detail about morphology and laboratory diagnosis of Human Immuno Deficiency virus (HIV). Add a note on its prevention.

SHORT ESSAYS (Answer any Five)

5 x 5 = 25 Marks

3. Disinfection of instruments used in patient care.
4. Hepatitis B virus – Morphology and precautions to prevent infection.
5. Describe the morphology and mode of spread of Ebola virus.
6. Blood culture for salmonella infections.
7. Air sampling method.
8. List infections caused by oro-faecal route. Add a note on its preventive method.

SHORT ANSWER

5 x 3 = 15 Marks

9. Vancomycin resistant Enterococi.
10. Prevention of mycobacterium tuberculosis infections.
11. Name three gaseous disinfectants.
12. Name three healthcare associated infections.
13. Name three pathogens causing catheter related urinary tract infection.
