



Rajiv Gandhi University of Health Sciences, Karnataka
II Year B.Sc. Anaesthesia Technology & Operation Theatre Technology
Degree Examination – 17-May-2023

Time: Three Hours

Max. Marks: 50 Marks

Applied Microbiology – (Sec B)
Q.P. CODE: 3400

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary

(Note: Both QP Codes 3399 and 3400 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any one)

1 x 10 = 10 Marks

1. Enumerate the virus that are transmitted by blood and body fluids. Describe in detail the laboratory diagnosis of HIV infection. Add a note on the measures to prevent exposure to healthcare workers.
2. Define Nosocomial infection. Describe in detail Ventilator Associated Pneumonia.

SHORT ESSAYS (Answer any five)

5 x 5 = 25 Marks

3. Vancomycin Resistant Enterococci significance and treatment.
4. Sampling techniques.
5. Hepatitis C virus – spread, diagnosis and treatment.
6. Autoclave – principle, working and uses.
7. CRBSI (Catheter Related Blood Stream Infections).
8. Ebola virus – mode of spread and prevention.

SHORT ANSWER (Answer any five)

5 x 3 = 15 Marks

9. How do you sterilize a) Bronchoscope b) Optical instruments?
10. Hot air oven uses.
11. Samples used for detecting Moraxella catarrhalis and its detection.
12. Infection control measures in the ICU.
13. Needle stick injuries.
14. Disinfection of patient care unit - any three.
