

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**II Year B.Sc. Anaesthesia Technology & Operation Theatre Technology**  
**Degree Examination – 23-Dec-2022**

**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. Write briefly about the communicable diseases to health care workers in a hospital setup and the preventive measures.
2. Define Nosocomial infection. Describe in detail ventilator associated pneumonia. Add a note on prevention.

**SHORT ESSAYS (Answer any five)**

**5 x 5 = 25 Marks**

3. Central Sterile Services Department.
4. Hepatitis B vaccine.
5. Disinfection of operation theatre.
6. Pathogenesis of Salmonella typhi
7. Ethylene oxide.
8. Laboratory diagnosis of HIV.

**SHORT ANSWER (Answer any five)**

**5 x 3 = 15 Marks**

9. Ebola virus.
10. Name three infections transmitted through the respiratory route.
11. Varicella Zoster.
12. Vancomycin resistant enterococci.
13. Air sampling.
14. Plasma sterilization.

\*\*\*\*\*