

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**II Year B.Sc. Allied Health Sciences Degree Examination – 23-Dec-2022**

**Time: Three Hours**

**Max. Marks: 50 Marks**

**Applied Microbiology – (Sec B) (RS-3)**  
**(Anaesthesia Technology and Operation Technology)**

**Q.P. CODE: 3405**

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

**(Note: Both QP Codes 3404 and 3405 are to be answered within total duration of 3 hours)**

**LONG ESSAYS**

**1 x 10 = 10 Marks**

1. Enumerate the different healthcare associated infections. List the organism causing Catheter related blood stream infections. Add a note on management and prevention of Catheter related blood stream infections

**SHORT ESSAYS (Question No. 4 choice)**

**5 x 5 = 25 Marks**

2. Human immuno deficiency virus (HIV) morphology and methods of prevention
3. Infection control measures in ICUs
4. Hepatitis B virus – morphology and mode of prevention  
**OR**  
V-Z (Varicella Zoster) virus – morphology, mode of spread and prevention of infection
5. Air sampling methods
6. Disinfection of patient care unit

**SHORT ANSWER (Question No.9 choice)**

**5 x 3 = 15 Marks**

7. Name three pathogens causing ventilator associated pneumonia
8. Name any three infections spread by feco-oral route
9. Morphology of mycobacterium tuberculosis  
**OR**  
Morphology of streptococcus pneumonia
10. How to sterilize –  
a) Stethoscopes  
b) Optical Instruments  
c) Pen
11. Name three gaseous disinfectant used to sterilize operation theatre

\*\*\*\*\*