

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**II Year B.Sc. Allied Health Sciences Degree Examination – 28-Oct-2025**

**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. Define and classify sterilisation. Discuss in detail about sterilisation by autoclaving. Add a note on sterilisation control

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

**5 x 5 = 25 Marks**

2. Laboratory diagnosis of urinary tract infection
3. Antimicrobial susceptibility testing
4. HIV-morphology and laboratory diagnosis

**OR**

Methicillin Resistant Staphylococcus Aureus (MRSA) – detection and prevention

5. Laboratory diagnosis of enteric fever
6. Name the organism spread by respiratory route. Add a note on prevention of tuberculosis

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

**5 x 3 = 15 Marks**

7. Name three organism spreading via direct contact
8. Name three pathogens causing Nosocomial infections
9. Ebola virus – modes of transmission

**OR**

Cytomegalo virus – modes of transmission

10. Name any three DNA viruses
11. Name any three universal precautions taken in hospital to prevent infections

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