

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

$1 \times 10 = 10$ 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)

$5 \times 5 = 25$ 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)

$5 \times 3 = 15$ Marks

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

OR

Cytomegalovirus – modes of transmission

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