Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Anaesthesia Technology & Operation Theatre Technology
Degree Examination – 28-Oct-2026

Time: Three Hours **Max. Marks: 50**

Applied Microbiology – (Sec B)

Q.P. CODE: 3400

Your answers should be specific to the questions asked
Draw neat labelled 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. Classify sterilization, add a note on Moist heat sterilization
2. Enumerate organism causing respiratory infections, write on pathogenesis and laboratory diagnosis of tuberculosis

SHORT ESSAYS (Answer any five) **5 x 5 = 25 Marks**

3. BMW management
4. Ventilator associated pneumonia
5. Name three organisms transmitted by blood and body fluids, write a note of pre-exposure prophylaxis of HBV
6. Gaseous sterilization
7. Morphology of HIV its transmission and prevention
8. Define Nosocomial infection, add a note on respiratory syncytial virus

SHORT ANSWER (Answer any five) **5 x 3 = 15 Marks**

9. Name three antiviral agents
10. Settle plate method
11. Significant bacteriuria
12. Name three organisms causing UTI
13. Opportunistic infection in HIV
14. Name three causative agents of Hepatitis

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