

Rajiv Gandhi University of Health Sciences, Karnataka
II Year B.Sc. Anaesthesia Technology & Operation Theatre Technology
Degree Examination – 05-May-2026

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. Name the organisms spread by air. Describe in detail about tuberculosis infection and add a note on prevention.
2. Enumerate the viruses that are transmitted by blood and body fluids. Describe in detail the laboratory diagnosis of HIV infection. Add a note on prophylaxis.

SHORT ESSAYS (Answer any five)

5 x 5 = 25 Marks

3. Clostridium difficile.
4. Pathogenesis and laboratory diagnosis of Hepatitis C virus.
5. CRBSI (Catheter Related Blood Stream Infection).
6. MRSA.
7. Pathogenesis of Herpes simplex virus.
8. Needle stick injuries and its prevention.

SHORT ANSWER (Answer any five)

5 x 3 = 15 Marks

9. Laboratory diagnosis of Hepatitis A infection.
10. Ventilator and its care.
11. One Atmosphere Uniform Glow Discharge Plasma (OAUGDP).
12. Haemophilus influenzae.
13. Name three culture methods.
14. Cytomegalovirus.
