

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Allied Health Sciences Degree Examination - 03-Nov-2025

Time: Three Hours

Max. Marks: 100 Marks

MICROBIOLOGY

(RS-3 – B.Sc Cardiac Care Technology, Perfusion Technology, Renal Dialysis Technology, Respiratory Care Technology, Neuro Sciences Technology, Anesthesia Technology, Operation Theatre Technology, Emergency and Trauma Care Technology)

(RS-4 – B.Sc Medical Laboratory Technology, Medical Imaging Technology and Radiotherapy Technology)
Anesthesia and Operation Theatre Technology

Q.P. CODE: 3265

(QP contains two pages)

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAYS (Second Question Choice)

2 x 10 = 20 Marks

1. Draw neat labelled diagram of bacterial cell. Give detailed account of Ultrastructure of bacterial cell.
2. Define enteric fever. Describe the morphology and clinical manifestations caused by S.typhi. add a note on laboratory diagnosis of enteric fever.

OR

Draw neat labelled diagram of structure of HIV. Add a note on laboratory diagnosis of HIV.

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Contributions of Robert Koch.
4. Acid fast staining.
5. Filtration.
- OR**
- Radiation.
6. Immunization schedule.
7. Atypical Mycobacteria.
8. Laboratory diagnosis of Cholera.
9. Laboratory diagnosis of intestinal amoebiasis.
10. Standard test for Syphilis.

OR

- Hepatitis E virus.
11. Hepatitis B viral markers.
12. Laboratory diagnosis of Cryptococcosis.

SHORT ANSWER (Question No 15 & 20 choice)

10 x 3 = 30 Marks

13. Liquid culture.
14. Name any three non-bite stained ova.
15. Name any three uses of filtration.
- OR**
- Name any three acid fast bacilli.
16. Name any three gram positive bacteria.
17. Name any three organisms causing hospital acquired infection.
18. Tyndallisation.
19. Draw neat labeled diagram of hot air Oven.
20. Cholera red reaction.
- OR**
- Name any three medias for culturing fungi.
21. Define transport media. Give two examples.
22. Pasteurization.
