

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Allied Health Sciences Degree Examination – 13-May-2026

Time: Three Hours

Max. Marks: 80 Marks

MICROBIOLOGY

(RS3 – Medical Laboratory Technology, Medical Imaging Technology and Radiotherapy Technology
RS2 – Operation Theatre Technology, Cardiac Care Technology, Perfusion Technology, Renal
Dialysis Technology, Respiratory Care Technology, Anaesthesia Technology and Neurosciences
Technology)

Q.P. CODE: 3155

(QP contains two pages)

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

1. Bacterial flagella
2. Hot air oven
3. Selective media
4. Sterilization by radiation
5. Chemicals used in disinfection
6. Active immunity
7. Prevention and control of Nosocomial infection
8. Leptospira – disease caused and laboratory diagnosis
9. Clinical manifestation of Plasmodium vivax
10. Compound microscope

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

11. Lab diagnosis of Shigellosis
12. Draw a neatly labeled diagram of Embryonated egg. List the uses of its parts for viral culture.
13. Kirby – Bauer disc diffusion method
14. Concentration of stool sample
15. Name three RNA viruses.
16. Tissue culture
17. Cryptococcosis
18. Specimen collection for laboratory diagnosis of urinary tract infection
19. Laboratory diagnosis of Gonorrhoea
20. Ascaris lumbricoides – disease caused
21. KOH mount
22. Hepatitis A virus – clinical manifestation

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TO THE POINT ANSWERS (Answer any Five)

5 x 2 = 10 Marks

23. Name malarial parasites
24. Draw a neat, labeled diagram of HIV.
25. Bacterial Fimbriae
26. Name four serological reactions.
27. Name four viral vaccines.
28. Name four modes of transmission of infections.
29. Draw a neat, labeled diagram of Mucor.
