

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Allied Health Sciences Degree Examination – 07-Jun-2024

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. Write about Bacillary dysentery.
2. Laboratory diagnosis of syphilis.
3. Write about electron microscope with the help of neat labelled diagram.
4. Explain in detail about laboratory diagnosis of Hookworm.
5. Explain the structure of immunoglobulin.
6. Viral cultivation methods.
7. With the neat labelled diagram explain cell wall of bacteria.
8. Blood culture for typhoid.
9. Write a note on laboratory diagnosis of Streptococcus pyogenes.
10. Explain the clinical features and laboratory diagnosis of HIV infection.

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

11. Draw neat labelled diagram of Giardia lamblia.
12. Describe Coagulase Negative Staphylococci
13. Write about BCG
14. List Koch's postulates.
15. Describe germ tube test.
16. Write a note on passive immunity.
17. List three differences between T. solium and T. saginata.
18. Write about filtration.
19. Modes of transmission of infection.
20. Briefly explain negative staining.
21. Write about RCM
22. Write about Halophilic Vibrios.

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TO THE POINT ANSWERS (Answer any Five)

5 x 2 = 10 Marks

23. Name two capsulated bacteria.
24. Name two mosquito borne infections.
25. Name two zoonotic infections.
26. Name two non motile bacteria.
27. Name two species of Shigella.
28. Cold sterilization.
29. Name two gram positive bacilli.
