

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Allied Health Sciences Degree Examination - 21-Dec-2022

Time: Three Hours

Max. Marks: 80 Marks

MICROBIOLOGY

(RS 3 – Medical Laboratory Technology, Medical Imaging Technology & Radiotherapy
RS2 – Operation Theatre Technology, Cardiac Care Technology, Perfusion Technology, Renal Dialysis
Technology, Respiratory Care Technology, Anaesthesia Technology & Neuro Sciences Technology)

Q.P. CODE: 3155

(QP contains two pages)

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

LONG ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

1. Briefly explain acquired immunity.
2. Bacterial cell wall
3. Briefly explain the laboratory diagnosis of Bacillary dysentery.
4. Describe the clinical manifestation and laboratory diagnosis of *Ascaris lumbricoides*.
5. Explain the laboratory diagnosis of Candidiasis.
6. Write a note on Hepatitis A virus – clinical manifestation and laboratory diagnosis.
7. Bacterial filters
8. Anaerobic culture methods
9. Antimicrobial susceptibility testing
10. Immunization schedule

SHORT ESSAYS (Answer any Ten)

10 x 3 = 30 Marks

11. Enrichment media
12. Bacterial flagella
13. Gram staining
14. Inspissation
15. Laboratory diagnosis of Cryptococcosis
16. Bacterial growth curve
17. Black water fever
18. Name any three clinical manifestations caused by *Staphylococcus aureus*.
19. CAMP reaction
20. Hepatitis "B" surface antigen
21. DEC provocation test
22. Write a note on fumigation.

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5 x 2 = 10 Marks

TO THE POINT ANSWERS (Answer any Five)

23. Name two bacteria causing nosocomial infections.
24. Name two bacteria causing UTI.
25. Name two agglutination tests.
26. Name two motile bacteria.
27. Name two killed viral vaccines.
28. Name two transport media.
29. Name two opportunistic fungal infections.
