

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Allied Health Sciences Degree Examination – 29-Nov-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. Autoclave
2. Gram staining
3. Bacterial spore
4. Bacterial growth curve
5. Antimicrobial susceptibility testing
6. Laboratory diagnosis of tuberculosis
7. Standard test for syphilis
8. Laboratory diagnosis of parasitic infections
9. AIDS
10. Laboratory diagnosis of Hepatitis B virus infection

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

11. Dark field microscope
12. Control of hospital acquired infections
13. Killed vaccines
14. Cold sterilization
15. Antistreptolysin O test
16. Differential media
17. Mention three disinfectants.
18. Coagulase test
19. Name three infections caused by Escherichia coli.
20. Name three genera of dermatophytes.
21. List the various routes of inoculation of embryonated egg.
22. Name the species of Plasmodium which cause infection in humans.

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TO THE POINT ANSWERS (Answer any Five)

5 x 2 = 10 Marks

23. Name any two gram-positive cocci.
24. Name any two live attenuated vaccines.
25. Name two acid-fast organisms.
26. Name any two gases used in sterilization.
27. Name two RNA viruses.
28. Name two opportunistic mycoses.
29. OPV (Oral Poliomyelitis Vaccine)
