Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Allied Health Sciences Degree Examination – 17-Nov-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. Koch's postulates.
2. Enriched media.
3. Immunization schedule.
4. Laboratory diagnosis of Candidiasis.
5. Cultivation of viruses.
6. Laboratory diagnosis of W. bancrofti.
7. Interpretation of Widal test.
8. Kirby-Bauer disc diffusion test.
9. Laboratory diagnosis of pulmonary tuberculosis.
10. Classify fungi based on morphology.

SHORT ANSWERS (Answer any Ten) **10 x 3 = 30 Marks**

11. India ink preparation.
12. Black water fever.
13. Negri bodies.
14. Significance bacteriuria.
15. Modes transmission of infection.
16. Morphology of E. histolytica.
17. Stab culture.
18. Pasteurization.
19. Define toxoid. Give two examples.
20. Electron microscope.
21. Name three differences between active and passive immunity.
22. Draw a neat labeled diagram of bacterial spore.

TO THE POINT ANSWERS (Answer any Five) **5 x 2 = 10 Marks**

23. Define antigen and define antibody.
24. Name two infections caused by Gonococcus.
25. Name two bile-stained ova.
26. Name two gram negative bacteria.
27. Draw neat labeled diagram of structure of HIV.
28. Name two DNA viruses.
29. Incineration.

*****