

# Rajiv Gandhi University of Health Sciences, Karnataka

**I Year B.Sc. Allied Health Sciences Degree Examination – 03-Nov-2025**

**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. Bacterial flagella
3. Bacterial growth curve
4. Electron microscope
5. Antimicrobial susceptibility testing
6. Widal test
7. Standard tests for syphilis
8. Lab diagnosis of parasitic infections
9. Lab diagnosis of hepatitis B viral infection
10. Candidiasis

### **SHORT ANSWERS (Answer any Ten)**

**10 x 3 = 30 Marks**

11. Pasteurization
12. Fimbriae
13. Differential media
14. Inspissation
15. Killed vaccines
16. Control of hospital acquired infections
17. Coagulase test
18. Lab diagnosis of Gonorrhoea
19. Name the diarrheagenic E. coli.
20. Quantitative Buffy Coat (QBC)
21. Western Blot test
22. Cryptococcosis – laboratory diagnosis

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## **TO THE POINT ANSWERS (Answer any Five)**

**5 x 2 = 10 Marks**

23. Name any two gases used in sterilization.
24. Name any two selective media.
25. Name any two antigen-antibody reactions.
26. Name any two motile bacteria.
27. Draw a neat, labeled diagram of egg of Hookworm.
28. Mucormycosis
29. Name any two acid-fast organisms.

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