

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – 27-May-2022

Time: Three Hours

Max. Marks: 75 Marks

MICROBIOLOGY (RS2, RS3, RS4 & RS5)

Q.P. CODE: 1759

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary. Answer All Questions

LONG ESSAYS

2 x 10 = 20 Marks

1. Explain in detail the morphology, cultural characteristics, pathogenicity, laboratory diagnosis of streptococcus pyogenes.
2. Explain the morphology, habitat life cycle, disease caused and laboratory diagnosis of Entamoeba histolytica.

SHORT ESSAYS

7 x 5 = 35 Marks

3. Draw a neat labeled diagram of bacterial cell and explain bacterial capsule.
4. Draw a neat labeled diagram of bacterial growth curve. Explain phases of growth curve.
5. Define infection. Describe the methods of transmission of infection.
6. Define sterilization. Explain sterilization by hot air oven.
7. Widal test.
8. Define immunity. Explain innate immunity.
9. Define immunization. Describe immunization schedule.

SHORT ANSWERS

10 x 2 = 20 Marks

10. Name two contribution of Louis Pasteur in microbiology
11. Define anaerobic culture media.
12. Name two-gram positive bacteria.
13. Name two gaseous disinfectants.
14. Name two specific test done for Syphilis detection.
15. Name two RNA viruses.
16. Name the parasites whose ova are detected in stool microscopy.
17. Define active immunity.
18. Name two live vaccines.
19. Mention two uses of ELISA test.
