

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – 17-Feb-2021

Time: Three Hours**Max. Marks: 75 Marks**

MICROBIOLOGY (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 the morphology, mode of transmission, pathogenicity, clinical symptoms, laboratory diagnosis and prophylaxis of hepatitis B virus.
2. Explain the morphology, life cycle, pathogenicity, laboratory diagnosis and prevention of Entamoeba histolytica.

SHORT ESSAYS**7 x 5 = 35 Marks**

3. Draw a neat labeled bacterial cell. Explain bacterial capsule.
4. Explain anaerobic culture method.
5. Define culture method. Explain any two culture methods in detail.
6. Define disinfection. Explain gaseous disinfection.
7. Define infection. Describe the methods of transmission of infection.
8. Explain Widal test.
9. Define hypersensitivity. Explain Type I hypersensitivity.

SHORT ANSWERS**10 x 2 = 20 Marks**

10. Name four clinical syndromes caused by E. coli.
11. Name the motility test done to detect vibrio cholera.
12. Give two examples of Gram-negative bacilli.
13. Define sterilization.
14. Define nosocomial infection.
15. Write two contribution of Louis Pasteur.
16. Name two bacteria causing diarrhea.
17. Name two zoonotic disease.
18. Define immunization.
19. Write two uses of ELISA.
