

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – 04-Aug-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 in detail the morphology, cultural characteristics, pathogenicity, laboratory diagnosis of streptococcus pyogenes.
2. Explain in detail the morphology, cultural characteristics, pathogenicity, laboratory diagnosis of Gonococci.

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

3. Draw a neat labeled diagram of bacterial growth curve. Explain stationary phase and decline phase.
4. Explain differential culture media.
5. Explain harmful effects of microorganisms.
6. Define disinfection. Explain gaseous disinfection.
7. Define nosocomial infection. Explain wound infection in detail.
8. Explain ELISA reaction.
9. Define immunity. Explain natural passive immunity.

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

10. Define medical microbiology.
11. Define anaerobic culture media.
12. Define precipitation reaction.
13. Name two bacterial exotoxins.
14. Define Pasteurization.
15. Define carrier.
16. Name two RNA viruses.
17. Name two acid fast bacteria.
18. Define active immunity.
19. Mention four types of immunoglobulin.
