

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – 11-Sep-2020

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

MICROBIOLOGY **(RS2, RS3 & RS4)** **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. Name two medically important spirochetes. Explain in detail the morphology, cultural characteristics, laboratory diagnosis, pathogenicity and prophylaxis of Syphilis.
2. Classify the genus Staphylococcus. Explain in detail the morphology, cultural characteristics, pathogenicity, laboratory diagnosis of Staphylococcus aureus.

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

3. Draw a neat labeled bacterial cell. Explain Pili and Fimbriae.
4. Explain enriched culture media
5. Explain gram staining method.
6. Define sterilization. Explain sterilization by filtration
7. Define nosocomial infection. Explain iatrogenic infection and congenital infection.
8. Explain ELISA reaction.
9. Define antibody. Write the functions of IgA immunoglobulin.

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

10. Name two contributions of Joseph Lister.
11. Name two acid fast bacteria.
12. Give two examples of Gram-negative cocci.
13. Define harmless waste.
14. Give two functions of Alcohols.
15. Define Secondary infection.
16. Name two diseases caused by spirochetes.
17. Name two sexually transmitted diseases.
18. Name two live vaccine.
19. Define antigen and antibody.
