

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – 05-Jul-2024

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

MICROBIOLOGY **(RS-2, RS-3, RS-4 & RS-5)** **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 and prophylaxis of corynebacterium diphtheriae.
2. Classify the genus salmonella. Explain in detail the morphology, cultural characteristics, pathogenicity, laboratory diagnosis, and prophylaxis of Enteric fever.

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

3. Draw a neat labeled bacterial cell. Explain bacterial capsule.
4. Gram staining method
5. Explain enriched media.
6. Define sterilization. Explain the principles and working of autoclave.
7. Define biomedical waste. Describe the different methods of biomedical waste treatment.
8. Explain ELISA reaction.
9. Define hypersensitivity. Explain type I Anaphylactic reaction in detail.

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

10. Name two contribution of Robert Koch in microbiology.
11. Name two bacterial exotoxins.
12. Define negative staining.
13. Give two examples of biological vectors.
14. Name the specific test done for Enteric fever.
15. Name two acid fast bacteria.
16. Define immunity.
17. Mention two uses of ELISA test.
18. Define antibodies.
19. Mention four types of immunoglobulin.
