Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – 26-Jun-2023

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, pathogenesis, clinical symptoms and prophylaxis of Rabies.
2. Classify the genus clostridium. Explain in detail the cultural characteristics, pathogenesis, laboratory diagnosis and prophylaxis of clostridium tetani.

SHORT ESSAYS — 7 x 5 = 35 Marks

3. Explain Differential media.
4. Explain the effect of oxygen and pH on bacterial nutrition.
5. Explain the stages of sporulation with the help of neat labeled diagram.
6. Define sterilization. Explain sterilization by moist heat.
7. Describe antibiotic sensitivity test.
8. Define hypersensitivity. Explain Type I hypersensitivity.
9. Define vaccines. Differentiate between Salk vaccine and Sabin vaccine.

SHORT ANSWERS — 10 x 2 = 20 Marks

10. Koch postulate.
11. Name the four phases of bacterial growth.
12. Mention any two-transport media.
13. Define pasteurization.
14. Name two bacteria causing nosocomial infection.
15. Name two DNA viruses.
16. Name two zoonotic diseases
17. Name two types of hypersensitivity.
18. Name two bacterial vaccine.
19. Define Cold chain.

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