Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – 06-Mar-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 the morphology, pathogenesis, clinical symptoms, laboratory diagnosis and prophylaxis of polio virus.
2. Name the malarial parasites. Explain morphology, pathogenecity, laboratory diagnosis of Malarial Parasite.

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 anaerobic transport medium.
5. Explain the effect of oxygen and pH on bacterial nutrition.
6. Define sterilization. Explain sterilization by moist heat.
7. Define disinfection. Explain gaseous disinfection.
8. Define immunity. Explain natural active immunity.
9. Define immunization. Describe immunization schedule.

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

10. Name two contributions of Joseph Lister.
11. Define negative staining.
12. Define anaerobic culture media.
13. Define tube agglutination.
14. Give two functions of Halogens.
15. Mention two functions of Glutaraldehyde.
16. Give two examples of Gram negative cocci.
17. Name four clinical syndromes caused by E. coli.
18. Differentiate between viable count and total count.
19. Name two autoimmune diseases of Thyroid gland.

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