**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

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| **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. | |

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| **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. | |

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| **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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