**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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