

# Rajiv Gandhi University of Health Sciences, Karnataka

## I Year B.Sc. Nursing Degree Examination – OCT-2019

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

### **MICROBIOLOGY (RS2, RS3 & RS4) 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. (3+3+4)
2. Name the malarial parasites. Explain morphology, life cycle, clinical symptoms and laboratory diagnosis of Malarial Parasite.

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

3. Draw a neat labeled bacterial cell. Explain Pili and Fimbriae.
4. Draw a neat labeled diagram of bacterial growth curve. Explain growth curve.
5. Explain gram staining method.
6. Define disinfection. Explain disinfection using phenol (carbolic acid).
7. Define bio-medical waste. Describe the different methods of bio-medical waste treatment.
8. Define immunity. Explain artificial active immunity.
9. Explain VDRL test.

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

10. Give two examples of spore bearing Gram positive bacilli.
11. Define fumigation.
12. Name two vectors and the diseases transmitted by them.
13. Define Focal sepsis.
14. Name four parasites causing anemia.
15. Define zoonosis.
16. Name two opportunistic infections associated with HIV infection.
17. Define antigen.
18. Name two live vaccine.
19. Name two types of precipitation test.

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