

# Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – September 2014

**Time: Three Hours****Max. Marks: 100 Marks**

## MICROBIOLOGY (RS - 2)

### Q.P. CODE: 1752

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

**LONG ESSAYS (Any Two)****2 x 10 = 20 Marks**

1. Enumerate antigen – antibody reactions in vitro. Describe the precipitation reactions.
2. Define and classify immunity. Discuss the mechanism of innate immunity.
3. Describe the pathogenesis and laboratory diagnosis of infections caused by staphylococcus aureus.

**SHORT ESSAYS (Any Ten)****10 x 5 = 50 Marks**

4. Bacterial capsule
5. Gaseous sterilization
6. ELISA test and its applications
7. Leptospirosis
8. Discuss the modes of transmission of HIV infection.
9. Universal precautions
10. Life cycle of *Ascaris lumbricoides*
11. Serological markers of Hepatitis B and its detection
12. Difference between exotoxins and endotoxins
13. Hot air oven
14. Bacterial Food poisoning
15. Enumerate various types of carriers with examples.

**SHORT ANSWERS****10 x 3 = 30 Marks**

16. Differential media
17. DPT Vaccine
18. Negri bodies
19. List factors influencing growth of bacteria
20. Montoux test
21. MMR
22. Disinfection
23. Significant Bacteriuria
24. Name three agents causing opportunistic mycosis.
25. Name three viruses transmitted by arthropods.

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