

# Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination – October 2007

[Time: 3 Hrs.]

[Max. Marks : 75]

## MICROBIOLOGY (Revised Scheme 3)

QP Code: 1735

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

### LONG ESSAY (Answer any TWO)

2 X 10 = 20 Marks

1. Draw a neat labelled diagram of a Bacterial cell. Describe the cell wall
2. Describe the morphology, cultivation, pathogenesis and laboratory diagnosis of staphylococcus aureus
3. Describe the morphology, pathogenesis and laboratory diagnosis of rabies virus

### SHORT ESSAY (Answer any SEVEN)

7 X 5 = 35 Marks

4. Principle of Autoclave
5. Immunoglobulin M (IgM)
6. Delayed Hypersensitivity
7. Widal test
8. Prophylaxis against tetanus
9. Effect of environmental factors on microbes
10. Life cycle of ascaris lumbricoides
11. Opportunistic parasitic infections in AIDS patients
12. Cryptococcosis



### SHORT ANSWERS

10 X 2 = 20 Marks

13. Name two differential stains
14. Herd Immunity
15. Acid fast staining
16. Classification of streptococci
17. Name four Bacteria causing food poisoning
18. Name the vectors transmitting dengue and Japanese encephalitis
19. What is the route of infection of Hepatitis 'A' virus and Hepatitis 'B' virus
20. Draw a neat and labeled diagram of 'HIV' virus
21. Name two dermatophytes
22. Concentration methods for ova and cysts

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