

I Year B.Sc. Nursing (PC) Degree Examination – April 2014

Time: Three Hours

Max. Marks: 75 Marks

MICROBIOLOGY
(RS-3 & RS-4)

Q.P. CODE: 1735

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

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Describe the morphology, cultural characters and laboratory diagnosis of *C. diphtheriae*.
2. Draw a neat and labeled diagram of bacterial cell. Describe cell wall.
3. List intestinal nematodes. Describe the life cycle and laboratory diagnosis of *A. lumbricoides*.

SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. Coagulase negative staphylococci
5. Cultivation of viruses
6. *Cryptococcus neoformans*
7. Type III hypersensitivity reactions
8. Classification of fungi
9. Phagocytosis
10. Laboratory diagnosis of Hepatitis B virus infection
11. Hot air oven
12. Prophylaxis against rabies

SHORT ANSWERS

10 x 2 = 20 Marks

13. Name 2 disinfectants.
14. Local immunity
15. Name 2 bacteria causing sexually transmitted diseases.
16. BCG vaccine
17. Give 2 examples of RNA viruses.
18. Draw a neat and labeled diagram of rabies virus.
19. Name 2 opportunistic fungal infections.
20. Name 2 concentration methods for ova and cyst.
21. Name 2 tests to differentiate *C. albicans* from non-pathogenic candida.
22. Define dimorphic fungi. Give an example.
