

First year B.Sc. Nursing (PC) Degree Examination – Feb/March 2011

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. Define viruses. Classify viruses. Explain life cycle of viruses
2. Classify Mycobacteria. Explain pathogenicity and laboratory diagnosis of pulmonary tuberculosis add a note on RNTCP
3. Define Hypersensitivity. Classify Hypersensitivity and write about type I Hypersensitivity

SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. Different shapes of bacteria with examples
5. Bacterial capsule composition and functions
6. Explain bacterial growth curve
7. Radiations in sterilization
8. Widal test
9. Food poisoning
10. Koch's postulates
11. Mumps
12. Intestinal amoebiasis

SHORT ANSWERS

10 x 2 = 20 Marks

13. Name any two bacterial respiratory diseases
14. Name the dermatophytes
15. Steps of gram's staining
16. BCG vaccine
17. Name any four RNA viruses
18. Mention any two zoonotic diseases
19. Mention any two DNA viruses
20. Mention any two food poisoning causing bacteria
21. Mention any four modes of transmission of HIV
22. Mention any two types of infectious wastes in hospital
