

I year B.Sc. Nursing (PC) Degree Examination – SEP - 2016

**Time: Three Hours**

**Max. Marks: 80 Marks**

**MICROBIOLOGY (Revised Scheme)**

**Q.P. CODE: 1704**

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 Hypersensitivity. Classify Hypersensitivity and write about type I Hypersensitivity
2. Describe the morphology. Cultural characters and laboratory diagnosis of corynebacterium diphtheriae
3. Name the malarial parasites. Describe the life cycle of any one of them

**SHORT ESSAYS (Answer any Eight)**

**8 x 5 = 40 Marks**

4. Bacterial capsule, composition & functions
5. Intestinal amoebiasis, clinical features & lab diagnosis
6. Widal test
7. Gram's staining
8. Explain bacterial growth curve
9. Different shapes of bacteria with examples
10. Life cycle of Ascaris lumbricoides
11. ELISA and its uses
12. Measles
13. Candida albicans

**SHORT ANSWERS**

**10 x 2 = 20 Marks**

14. Name 4 chemical sterilizing agents
15. Mention any two antibiotic sensitivity tests
16. Name two methods of pasteurization
17. Mention any four selective media
18. Name any four modes of transmissions of HIV
19. Name any four enrichment media
20. Name four gram negative bacilli
21. Mention any two sexually transmitted diseases
22. Name any two bacteria causing wound infections
23. Name 2 DNA & 2 RNA viruses

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