

[LC 828]

FEBRUARY 2013

Sub. Code: 4888

**POST BASIC BACHELOR OF SCIENCE IN NURSING****DEGREE EXAMINATION****First Year – Non – Semester****Paper VII – MICROBIOLOGY*****Q.P. Code : 684888*****Time : Three hours  
(180 Min)****Maximum : 100 marks****I. Essays:****(2x20=40)**

1. List the organisms causing acute diarrhoeal diseases and describe the laboratory diagnosis of cholera
2. Name the various antigen- antibody reactions and describe the principle and application of precipitation reaction

**II. Write Notes on:****(8x5=40)**

1. Bacterial cell wall
2. Microfilariae
3. Prophylaxis against tetanus
4. Enrichment media
5. Modes of transmission of hospital acquired infection
6. Enumerate common bacterial organisms causing food poisoning
7. Prophylaxis of polio
8. Contributions of Louis Pasteur

**III. Short Answers on:****(10x2=20)**

1. Give two examples of live vaccines and their route of administration
2. Name two diseases caused by arboviruses and their vectors
3. Name two diseases transmitted by blood and blood products
4. Mention two non suppurative complications of streptococcus pyogenes
5. Mention two differences between humoral and cell mediated immunity
6. Define carrier and name two types of carrier
7. Write four differences between plasmodium falciparum and plasmodium vivax
8. Give four methods of moist heat sterilization
9. Write 2 differences between fungi and bacteria
10. Name 4 viruses causing hepatitis and their modes of transmission

\*\*\*\*\*