

**UNIVERSITY OF JAFFNA, SRI LANKA**  
**BACHELOR OF SCIENCE IN NURSING**  
**FIRST YEAR SECOND SEMESTER EXAMINATION - AUGUST 2016**

**NURMP 1207 MICROBIOLOGY & PARASITOLOGY**

**PAPER II**

**Date: 15.08.2016**

**Time: 2 hours**

**ANSWER ALL SIX QUESTIONS.**

**ANSWER PARTS A AND B IN SEPARATE ANSWER BOOKS**

**PART A**

1.
  - 1.1 Define the term "Sterilization". **(10 Marks)**
  - 1.2 List the different methods of sterilization used in a microbiology laboratory **(20 Marks)**
  - 1.3 Briefly describe the methods mentioned in 1.2 **(70 Marks)**
  
2. Write an account on the following diseases including the causative organism, transmission, clinical features and preventive measures
  - 2.1 Dengue fever **(40 Marks)**
  - 2.2 Tuberculosis **(30 Marks)**
  - 2.3 Measles **(30 Marks)**
  
3. Write notes on
  - 3.1 Superficial fungal infections **(30 Marks)**
  - 3.2 Acquired immunity **(40 Marks)**
  - 3.3 Type IV hypersensitivity **(30 Marks)**

- 4.
- 4.1 Name five bacteria which cause gastroenteritis. (20 Marks)
- 4.2 Briefly describe the pathogenesis of gastroenteritis caused by one of the bacteria mentioned in 4.1. (30 Marks)
- 4.3 How would you collect and transport the stool sample from a patient with blood and mucus diarrhea for the bacteriological investigation. (25 Marks)
- 4.4 Briefly describe the measure to be taken for the prevention and control of gastrointestinal infections in children. (25Marks)

**PART B**

- 5.
- 5.1 Name the parasite responsible and the main mode of transmission of the following parasitic conditions in human.
- 5.1.1 Scabies (15marks)
- 5.1.2 Trichomoniasis (15 marks)
- 5.1.3 Cutaneous leishmaniasis (15marks)
- 5.1.4 Amoebic dysentery (15 marks)
- 5.2 Briefly describe the prevention and control of any **ONE** of the conditions mentioned in 5.1 (40 marks)
6. Write short notes on the following.
- 6.1 Soil transmitted helminthes (25 marks)
- 6.2 Prevention and control of pin worm infection (25 marks)
- 6.3 Snake Anti-venom (25 marks)
- 6.4 Control of *Aedes* mosquito (25 marks)