


UNIVERSITY OF JAFFNA, SRI LANKA
BACHELOR OF SCIENCE IN NURSING
FIRST YEAR SECOND SEMESTER EXAMINATION – FEB 2014
NURMP 1207 MICROBIOLOGY & PARASITOLOGY

PAPER II

Date: 08.03.2014

Time: 02 Hours

ANSWER ALL SIX QUESTIONS

PART A

1.
 - 1.1. Define the term 'selective toxicity'. (10 Marks)
 - 1.2. Name four major beta-lactam antibiotic groups. (20 Marks)
 - 1.3. Describe briefly the mode of action of beta-lactam antibiotics. (30 Marks)
 - 1.4. Discuss briefly how to reduce the development of antibiotic resistance. (40 Marks)

2.
 - 2.1. Mention 5 bacteria that can cause urinary tract infection. (15 Marks)
 - 2.2. Mention the most common source of bacteria for urinary tract infection. (05 Marks)
 - 2.3. Discuss the risk factors for urinary tract infection. (50 Marks)
 - 2.4. Discuss the advice you would give a woman with recurrent urinary tract infection. (30 Marks)

3.
 - 3.1. Explain the terms
 - 3.1.1. Sterilization (10 Marks)
 - 3.1.2. Disinfection (10 Marks)
 - 3.1.3. Cleaning (10 Marks)
 - 3.2. What is universal precaution? (20 Marks)
 - 3.3. Discuss the components of universal precaution (50 Marks)

4. Write short notes on
- 4.1. Prevention of sexually transmitted infections. (35 Marks)
 - 4.2. The measures that could prevent bacterial meningitis in children. (35 Marks)
 - 4.3. The risk factors for Candida infection. (30 Marks)

PART B

5. State the causative agent, mode of transmission and the major clinical features of the following parasitic conditions.
- 5.1. Trichomoniasis (25 Marks)
 - 5.2. Cutaneous leishmaniasis (25 Marks)
 - 5.3. Lymphatic filariasis (25 Marks)
 - 5.4. Giardiasis (25 Marks)
6. Briefly describe the prevention and control of the following parasitic diseases in human being.
- 6.1. Scabies (25 Marks)
 - 6.2. Enterobiasis (25 Marks)
 - 6.3. Amoebic dysentery (25 Marks)
 - 6.4. Hook worm infestations (25 Marks)
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