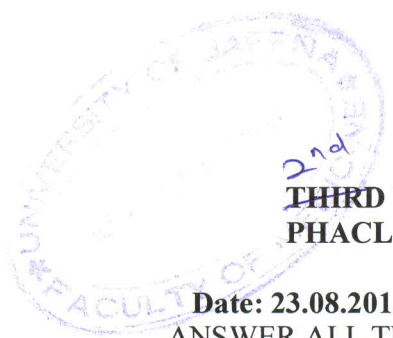


2<sup>nd</sup> & 1<sup>st</sup>

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UNIVERSITY OF JAFFNA, SRI LANKA  
BACHELOR OF PHARMACY  
THIRD YEAR SECOND SEMESTER EXAMINATION-JULY 2013  
PHACL 2104- PHARMACOLOGY AND PHARMACOTHERAPY I  
Paper II

Date: 23.08.2013

Time: 02 hours

ANSWER ALL THE EIGHT QUESTIONS

1. Explain the following with examples.
  - 1.1. Enzyme induction. (50 Marks)
  - 1.2. Fixed dose combinations. (50 Marks)
2.
  - 2.1. Name 3 drugs that are available as intramuscular depot preparations. (30 Marks)
  - 2.2. Describe advantages and disadvantages of intramuscular injection. (70 Marks)
3.
  - 3.1. Explain
    - 3.1.1. type A adverse drug reaction (40 Marks)
    - 3.1.2. type B adverse drug reaction. (40 Marks)
  - 3.1. Give two (02) examples for
    - 3.2.1. type A adverse drug reaction. (10 Marks)
    - 3.2.2. type B adverse drug reaction. (10 Marks)
4.
  - 4.1. What is chemoprophylaxis? (20 Marks)
  - 4.2. Name four (04) bacterial infections for which chemoprophylaxis is indicated. (20 Marks)
  - 4.3. Describe the chemoprophylaxis of malaria. (60 Marks)
5.
  - 5.1. Classify penicillins with examples. (40 Marks)
  - 5.2. Describe the mechanism of action of penicillin. (20 Marks)
  - 5.3. Name the penicillin of choice for the following conditions.
    - 5.3.1. Sore throat. (10 Marks)
    - 5.3.2. Tetanus. (10 Marks)
    - 5.3.3. Uncomplicated urinary tract infection. (10 Marks)
    - 5.3.4. Osteomyelitis. (10 Marks)
6.
  - 6.1. Name two (02) tetracyclines. (20 Marks)
  - 6.2. Describe the mechanism of action of tetracyclines. (20 Marks)
  - 6.3. Explain the adverse effects of tetracyclines? (60 marks)
7.
  - 7.1. Name two (02) groups of antibiotics that act by interfering bacterial DNA synthesis. (20 Marks)
  - 7.2. List the indications of the antibiotics mentioned in 7.1. (40 Marks)
  - 7.3. What are the adverse effects of the antibiotics mentioned in 7.1.? (40 Marks)



8.

- 8.1. List the first line antituberculous drugs. (30 Marks)
- 8.2. Describe the mechanism of drugs mentioned in 8.1. (50 Marks)
- 8.3. Name one important adverse effect for each of the drug mentioned in 8.1. (20 Marks)