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### UNIVERSITY OF JAFFNARSRI JANKA

# SECOND EXAMINATION FOR MEDICAL DEGREES—PART II (2 <sup>nd</sup>) December 2012

### **PHARMACOLOGY - Paper II**

Date: 13.12.2012. Time: 02 hours

#### ANSWER ALL THE FOUR QUESTIONS

1.	Explain th	ie pharma	cokinetic	basis	for
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- 1.1. unexpected pregnancy in women on combined oral contraceptive pills following the use of broad spectrum antibiotics.
- (40 Marks)

1.2. using probenacid in the treatment of chronic gout.

- **(30 Marks)**
- 1.3. reduced efficacy of clopidogrel when taken with omeprazole.
- (**30 Marks**)

2.

- 2.1. Classify the drugs used in the treatment of bronchial asthma. (20 Marks)
- 2.2. Describe the mechanism of action of each group of drugs mentioned in 2.1.
- **(40 Marks)**
- 21. Mention the different preparations available for each drug used in the treatment of bronchial asthma.
- **(40 Marks)**

- 3. Write an account on
  - 3.1. therapeutic applications of carbamazepine.

**(30 Marks)** 

3.2. adverse effects of methotrexate.

(30 Marks)

3.3. drug interactions of warfarin.

- **(40 Marks)**
- 4. Twenty year old girl with diabetes was admitted to the emergency unit in confused state. On examination respiratory rate was 35/ minute and she was dehydrated. Mother said that her daughter had stopped taking the medicine for diabetes for some time. The patient was treated for diabetic ketoacidosis.
  - 4.1. List the therapeutic agents that you would use in the immediate management of this patient.
- **(20 Marks)**
- 4.2. Explain the rationale for using the therapeutic agents mentioned in 2.1. for this patient.
- **(40 Marks)**
- 4.3. Name the drug that you would prescribe for this patient on discharge.
- **(10 Marks)**
- 4.4. Write the advice that you would give to this patient on discharge.
- **(30 Marks)**

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