



UNIVERSITY OF RUHUNA – FACULTY OF ALLIED HEALTH SCIENCES

DEPARTMENT OF PHARMACY

SECOND BPHARM PART II EXAMINATION – DECEMBER 2017/ JANUARY 2018

PH 2232 PHARMACOLOGY II (SEQ)

TIME: TWO HOURS

INSTRUCTIONS

- There are **four (04)** questions in the SEQ paper.
- Answer **each** question in separate booklet provided.
- No paper should be removed from the examination hall.
- Do not use any correction fluid.
- Use illustrations where necessary.

1.
 - 1.1. Name **five** opioid analgesics. (20 marks)
 - 1.2. Outline the mode of action of opioid at its receptor. (15 marks)
 - 1.3. List **five** adverse effects of opioids. (15 marks)
 - 1.4. Describe the important clinical parameters need to be monitored during the treatment of parenteral opioids. (30 marks)
 - 1.5. Write an antidote for opioids. (10 marks)
 - 1.6. State **two** clinical indications to use opioid antagonists. (10 marks)
2. Write short notes on the followings.
 - 2.1. Mode of action, adverse reactions and precautions of clozapine. (60 marks)
 - 2.2. Pathophysiology and management of tardive dyskinesia. (40 marks)
3.
 - 3.1. Define Central Nervous System (CNS) stimulants. (10 marks)
 - 3.2. Mention **three** CNS stimulants and **two** hallucinogens. (10 marks)
 - 3.3. State the mechanism of action of nicotine. (20 marks)
 - 3.4. State **three** adverse effects of nicotine. (15 marks)
 - 3.5. Briefly describe the nicotine withdrawal syndrome indicating its management (25 marks)
 - 3.6. Briefly describe the mechanism of action of cocaine using diagrams. (20 marks)
4.
 - 4.1. Indicate the pharmacological differences between sedative and hypnotic drugs. (10 marks)
 - 4.2. List **five** benzodiazepines. (20 marks)
 - 4.3. Briefly describe the mechanism of action of benzodiazepines. (30 marks)
 - 4.4. State **four** therapeutic uses of benzodiazepines. (20 marks)
 - 4.5. List **four** side effects of benzodiazepines. (20 marks)

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