UNIVERSITY OF RUHUNA – FACULTY OF ALLIED HEALTH SCIENCES
DEPARTMENT OF PHARMACY
SECOND BPHARM PART II EXAMINATION – DECEMBER 2018/JANUARY 2019
PH 2232 PHARMACOLOGY II (SEQ)

TIME: TWO HOURS

INSTRUCTIONS

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

Part A

01.

1.1 List **two** intravenous general anesthetics. (*10 marks*)

1.2 Write a short note on "Nitrous oxide". (*20 marks*)

1.3 Classify the local anesthetics giving **one** examples for each. (*20 marks*)

1.4 List **two** side effects of local anesthetics due to systemic absorption. (*15 marks*)

1.5 Discuss the mechanism of action of local anesthetics. (*35 marks*)

02.

2.1 List **two** second generation antipsychotics. (*10 marks*)

2.2 Briefly describe the following regarding haloperidol.

    2.2.1 Mechanism of action (*20 marks*)

    2.2.2 Pharmacokinetics (*10 marks*)

2.3 List **two** side effects of haloperidol. (*10 marks*)

2.4 List **two** drugs used in the prophylaxis of migraine. (*10 marks*)

2.5 Explain the symptomatic treatment strategy in acute migraine. (*40 marks*)

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03.

3.1 Define the terms "tolerance" and "dependence". **(20 marks)**

3.2 Define the term "opioid crisis". **(10 marks)**

3.3 Describe the mechanism of action of addictive drugs. **(30 marks)**

3.4 List **two** drug interactions of NSAIDs. **(10 marks)**

3.5 Explain the mechanism of action of NSAIDs in inflammatory condition. **(30 marks)**

Part B

04.

4.1 Write **four** different drug groups used in the treatment of Parkinson's disease, giving **one** example for each group. **(20 marks)**

4.2 Describe the pharmacological basis of using one of the drugs mentioned in 4.1 in the treatment of Parkinson's disease. **(40 marks)**

4.3 List **two** medications used in the treatment of drug induced Parkinsonism. **(10 marks)**

4.4 Describe the pharmacological basis for selecting the drug you mentioned in 4.3. **(30 marks)**

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