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UNIVERSITY OF RUHUNA – FACULTY OF MEDICINE

ALLIED HEALTH SCIENCES DEGREE PROGRAMME

SECOND BPHARM PART II EXAMINATION – JANUARY 2014

PH: 2232 PHARMACOLOGY II (SEQ)

TWO HOURS

INSTRUCTIONS

- Answer **all** questions.
- No paper should be removed from the examination hall.
- Marks will be penalized for illegible handwriting.
- Do not use any correction fluid.

1.

- 1.1 Specify the four stages of general anaesthesia. (20 marks)
- 1.2 List **five** inhalation general anaesthetic agents. (20 marks)
- 1.3 Write a note on pharmacodynamics of thiopental. (40 marks)
- 1.4 Define the term “dissociative anaesthesia” giving an example. (10 marks)
- 1.5 List **five** main adverse effects of general anaesthetic agents. (10 marks)

2.

- 2.1 Describe the patho-physiology of an acute attack of migraine. (30 marks)
- 2.2 Explain the pharmacological basis of using ergotamine in an acute attack of migraine. (20 marks)

2.3

- 2.3.1 List **five** adverse effects of ergotamine. (10 marks)
- 2.3.2 List **five** contraindications of ergotamine. (10 marks)
- 2.3.3 Write the antidote to ergotamine overdose. (10 marks)

- 2.4 List **five** drug groups which are used in prophylaxis of migraine. Indicate an example for each group. (20 marks)

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3.

- 3.1 List **two** types (classes) of antidepressive drugs with an example for each type. (20 marks)
- 3.2 List **two** main side effects of each of them mentioned in 3.1. (20 marks)
- 3.3 Describe briefly the mechanism of action of antipsychotic drugs. (10 marks)
- 3.4 List **four** benzodiazepines with **one** clinical indication for each of them. (20 marks)
- 3.5 List **three** mood stabilizers. (15 marks)
- 3.6 List **three** main side effects of **one** of them mentioned in 3.5. (15 marks)

4.

- 4.1 Briefly explain the **four** main mechanisms of action of antiepileptic drugs giving **two** examples in each category. (30 marks)
- 4.2 State **three** factors that should be considered when prescribing antiepileptic drugs in pregnancy. (15 marks)
- 4.3
 - 4.3.1 Define "Status Epilepticus." (10 marks)
 - 4.3.2 State **two** second line intravenous drugs used to manage status epilepticus. (10 marks)
 - 4.3.3 Name **two** most common adverse effects (one for each drug) of mentioned intravenous medications in 4.3.2. (10 marks)
 - 4.3.4 Explain briefly how you would prevent the mentioned adverse effects in 4.3.3. (10 marks)
- 4.4 List **five** anti-epileptic medications that could be used long term in children below five (05) years of age. (15 marks)