



UNIVERSITY OF RUHUNA – FACULTY OF MEDICINE

ALLIED HEALTH SCIENCES DEGREE PROGRAMME

FOURTH B.PHARM PART I EXAMINATION – DECEMBER 2016

PH 4132 APPLIED PHARMACOLOGY (SEQ)

TIME: TWO HOURS

INSTRUCTIONS

- Answer all questions.
- No paper should be removed from the examination hall.
- Do not use any correction fluid.
- Use illustrations where necessary.

1. Write short notes on

- 1.1 Importance of pharmacovigilance. *(30 marks)*
- 1.2 Prescription errors. *(30 marks)*
- 1.3 Drug therapy during pregnancy. *(40 marks)*

2.

- 2.1 List five **(05)** classes of anticancer drugs with one example for each. *(25 marks)*
- 2.2 Describe the pharmacological basis of using folic acid when methotrexate is used as a chemotherapy. *(30 marks)*
- 2.3 Describe three **(03)** methods used to minimize the toxicity of anticancer drugs in clinical practice. *(45 marks)*

3.

- 3.1 List the functions of the liver. *(20 marks)*
- 3.2 Explain the pharmacological basis for dose reduction of warfarin in liver impairment. *(40 marks)*
- 3.3 Describe the pharmacokinetic factors in infants. *(40 marks)*

4.

- 4.1 List five **(05)** common causes of medication errors. *(15 marks)*
- 4.2 Briefly explain the importance of reporting medication errors. *(15 marks)*
- 4.3 Develop a format for reporting medication errors that can be used in a hospital. *(15 marks)*
- 4.4 Briefly explain the use of drug utilization evaluation (DUE) programme with respect to the safe use of medications. *(15 marks)*
- 4.5 Write short notes on
- 4.5.1 Just culture *(20 marks)*
- 4.5.2 Dispensing errors *(20 marks)*

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