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UNIVERSITY OF RUHUNA – FACULTY OF MEDICINE

ALLIED HEALTH SCIENCES DEGREE PROGRAMME

SECOND BPHARM PART II EXAMINATION – JANUARY 2014

PH 2214: PHARMACEUTICS III (SEQ)

03 HOURS

INSTRUCTIONS

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

1.1 Explain briefly the term “Pharmacoepidemiology.” (20 marks)

1.2 What is randomization and why it is important in clinical trials? (30 marks)

1.3 List advantages and disadvantages of case-control and cohort study designs. (50 marks)

2.

2.1 Explain briefly the term “Health Economics.” (20 marks)

2.2 What is cost minimization analysis? (30 marks)

2.3 What are the steps that you should take in cost-minimization analysis? (50 marks)

3.

3.1 Define the term “Essential Medicines”. (15 marks)

3.2 State the advantages of using a list of essential medicines. (45 marks)

3.3 “Implementation of essential medicines list is a difficult assignment” discuss this statement briefly. (40 marks)

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4.1

- 4.1.1 Define briefly the **four** types of containers, with respect to method of closure. (20 marks)
- 4.1.2 List **five** desirable features of an ideal container. (10 marks)
- 4.1.3 Discuss briefly **four** advantages of blister packaging. (20 marks)

4.2 List the containers and auxiliary label instructions for the following.

- 4.2.1 Mouthwashes and gargles
- 4.2.2 Ointments and pastes
- 4.2.3 Suspensions and emulsions
- 4.2.4 Dusting powders (20 marks)

4.3 Define the following terms.

- 4.3.1 IV admixtures
- 4.3.2 Total parenteral nutrition
- 4.3.3 Extemporaneous preparations (15 marks)

4.4 List **five** uses of large volume parenterals. (15 marks)

5.

5.1 What is a research? (10 marks)

5.2 List the sources that you can identify research questions. (20 marks)

5.3 What are the sources that you can obtain more information about identified research questions? (20 marks)

5.4 Draw a flow chart to elaborate the process of a research designed to identify the effectiveness of curry leaves in reduction of serum cholesterol level. (50 marks)

6.

6.1 Draw a flow chart to illustrate the Health Care Delivery System at a district level. (40 marks)

6.2 List **five** main responsibilities of a Medical Officer of Health (MOH). (15 marks)

6.3 List **five** activities of Public Health Inspector (PHI). (15 marks)

6.4 Define the following:

6.4.1 Health Policy (15 marks)

6.4.2 Primary Health Care (15 marks)