



UNIVERSITY OF RUHUNA – FACULTY OF MEDICINE

ALLIED HEALTH SCIENCES DEGREE PROGRAMME

SECOND BPHARM PART II EXAMINATION – DECEMBER 2016

PH 2214 –PHARMACEUTICS III (SEQ)

TIME: THREE 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.
 - 1.1. Differentiate curative and preventive health care. (10 marks)
 - 1.2. Briefly describe the organizational structure of provisional health ministry: (20 marks)
 - 1.3. What is “decentralization”? (10 marks)
 - 1.4. Write five (05) strengths of decentralization. (20 marks)
 - 1.5. Leadership is an important role play by the leader of any team. List five (05) common characteristics that a leader should possess. (15 marks)
 - 1.6. Describe how team approach improves the quality of health care. (25 marks)

2.
 - 2.1. Define the term “dispensing”. (10 marks)
 - 2.2. Briefly describe the procedures that you follow when handling the prescriptions as a community pharmacist. (30 marks)
 - 2.3. Define the term “medication error”. (10 marks)
 - 2.4. Having look-alike drugs is one of the major contributing factors for dispensing errors. As a pharmacist, suggest two (02) ways to prevent dispensing errors cause by look-alike drugs. (10 marks)
 - 2.5. State four (04) reasons for extemporaneous compounding. (20 marks)
 - 2.6. List the parts of an ideal prescription. (20 marks)

3. (10 marks)
- 3.1. Define the rational use of medicines. (30 marks)
- 3.2. Briefly describe the involvement of pharmacist to ensure rational use of medicines. (20 marks)
- 3.3. List four (04) objectives of National Medicinal Drug Policy. (10 marks)
- 3.4. Define essential medicine list. (20 marks)
- 3.5. List five (05) factors you would consider when selecting a drug to the essential medicine list. (10 marks)
- 3.6. What is the importance of revising essential medicine list? (10 marks)
4. (10 marks)
- 4.1. Differentiate macro-economics and micro-economics. (20 marks)
- 4.2. Using supply and demand curves, describe briefly market equilibrium. (20 marks)
- 4.3. Briefly describe cost benefit analysis in economic evaluations. (50 marks)
- 4.4. What is literature review and why it is important in Pharmacy research?

5. Read the abstract given below and answer the questions

Pharmaceutical Care in Community Pharmacies: Practice and Research in Germany

Ann Pharmacother April 2006 40: 729-735,

By Christiane Eickhoff and Martin Schulz

Abstract

OBJECTIVE: To discuss the provision of pharmaceutical care in community pharmacies in Germany including community pharmacy, organization and delivery of health services, pharmacy education, community pharmacy services, research in community pharmacy, and future plans for community pharmacy services.

FINDINGS: In Germany, cognitive pharmaceutical services have been developed for more than 12 years. Several studies and programs have shown that pharmaceutical care and other pharmaceutical services are feasible in community pharmacy practice and that patients benefit from these services. In 2003, a nationwide contract was established between representatives of the community pharmacy owners and the largest German health insurance fund. In this so-called family pharmacy contract, remuneration of pharmacists for provision of pharmaceutical care services was successfully negotiated for the first time. In 2004, a trilateral integrated care contract was signed that additionally included general practitioners, combining the family pharmacy with the family physician. Within a few months, the vast majority (>17 000) of community pharmacies have registered to participate in this program.

CONCLUSIONS: German community pharmacies are moving from the image of mainly supplying drugs toward the provision of cognitive pharmaceutical services.

Reprints:

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- 5.1. What is the objective of this research? *(20 marks)*
- 5.2. Is this a qualitative or quantitative research? Explain briefly. *(20 marks)*
- 5.3. Write the conclusions of this research using your own words *(20 marks)*
- 5.4. Who authored the article and where they have published the article? *(20 marks)*
- 5.5. Can you get details of this research? Justify your answer. *(20 marks)*

- 6. Write short notes on
- 6.1. Observational studies *(25 marks)*
- 6.2. Case studies *(25 marks)*
- 6.3. Cohort studies *(25 marks)*
- 6.4. Focus group discussions *(25 marks)*

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26
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