



**UNIVERSITY OF RUHUNA – FACULTY OF ALLIED HEALTH SCIENCES**

**DEPARTMENT OF PHARMACY**

**THIRD BPHARM PART I EXAMINATION – JUNE 2022**

**PH 3142 COMMUNITY PHARMACY I – SEQ**

**TIME: TWO HOURS**

**INSTRUCTIONS**

- There are **four** questions in this SEQ paper.
- Answer all questions.
- No paper should be removed from the examination hall.
- Do not use any correction fluid.
- Use illustrations where necessary.

01.

1.1 Community pharmacies positively impact patient care as a result of their convenience and easy access by patients.

1.1.1 Write four goals that you would plan to achieve by establishing a retail pharmacy.

**(20 marks)**

1.1.2 List four qualities of a professional community pharmacist.

**(10 marks)**

1.1.3 As a community pharmacist, how would you ensure medication safety for your customers? Briefly describe by providing four examples.

**(40 marks)**

1.2 Briefly explain three services that community pharmacies can provide for improving public health.

**(30 marks)**

02.

2.1 Briefly describe the importance of proper financial management in a retail pharmacy providing two examples.

**(20 marks)**

2.2 Careful inventory management in a retail pharmacy ensures the availability of adequate stock of medications and supplies to serve the needs of the patients. Briefly explain three strategies that you would take to maintain proper inventory management in your retail pharmacy.

**(30 marks)**

2.3 Briefly describe three best practices that a retail pharmacist can use when storing pharmacy stocks in the pharmacy. State one advantage for each best practice.

**(30 marks)**

2.4 Write five approaches that you would use to design the internal layout of your retail pharmacy in order to provide a safe and effective workflow.

**(20 marks)**

03.

3.1 Mrs. KG is a 34-year-old woman who comes to your pharmacy complaining of a burning sensation after eating. She never had problems with heartburn prior to beginning to eat spicy foods a couple of weeks ago and wants to know if there is anything, she can take to avoid the burning.

3.1.1 List five questions that you would ask from Mrs. KG prior to dispensing medicines.

(20 marks)

3.1.2 If she qualifies for self-treatment, as a retail pharmacist, write one pharmacological treatment and one lifestyle modification that would you recommend for Mrs. KG.

(10 marks)

3.1.3 Write four essential information that you would provide for Mrs. KG when dispensing medication mentioned in 3.1.2.

(10 marks)

3.2 Briefly describe three barriers that can affect for effective communication with patients in a community pharmacy.

(30 marks)

3.3 Write a short note on the importance of effective communication skills for retail pharmacists.

(30 marks)

04.

4.1 Write two advantages of patient information leaflets.

(10 marks)

4.2 Write five factors that should be considered when designing a patient information leaflet.

(20 marks)

4.3 Refer the details given below and design a patient information leaflet for Alendronic acid 70 mg for patients with postmenopausal osteoporosis.

(70 marks)

#### Alendronic acid

Dose: treatment of postmenopausal osteoporosis and osteoporosis in men, 10 mg daily or (in postmenopausal osteoporosis) 70 mg once weekly.

Cautions: upper gastro-intestinal disorders (dysphagia, symptomatic oesophageal disease, gastritis, duodenitis, or ulcers), history (within 1 year) of ulcers, active gastro-intestinal bleeding, or surgery of the upper gastro-intestinal tract. Correct disturbances of calcium and mineral metabolism (e.g. vitamin-D deficiency, hypocalcaemia) before starting and monitor serum calcium concentration during treatment; consider preventive dental treatment before initiating alendronic acid

Contra-indications: abnormalities of oesophagus and other factors which delay emptying, hypocalcaemia, renal impairment, pregnancy and breast-feeding

Side-effects: oesophageal reactions, abdominal pain and distension, dyspepsia, diarrhoea or constipation, flatulence, musculoskeletal pain, headache; rarely rash, pruritus, erythema, photosensitivity, nausea, vomiting, gastritis, peptic ulceration, hypersensitivity reactions (including urticaria and angioedema), and atypical stress fractures with long-term use also reported; myalgia, malaise, and fever at initiation of treatment; very rarely severe skin reactions (including Stevens-Johnson syndrome), osteonecrosis

Counselling: tablets should be swallowed whole with plenty of water while sitting or standing; to be taken on an empty stomach at least 30 minutes before breakfast (or another oral medicine); patient should stand or sit upright for at least 30 minutes after taking tablet.

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