

FACULTY OF ALLIED HEALTH SCIENCES, UNIVERSITY OF RUHUNA
Department of Nursing
4th End Semester Examination, 2020, 2016/2017 Batch (10th)
NPH 2221 – Pharmacology II – SEQ



Date: 18th November 2020 Time: 10.30 a.m.-12.00 noon Duration: 1 ½ hours

Index Number:,.....

Answer all questions.

1.

1.1

1.1.1. Mention two (02) contraindications for warfarin therapy. (10 marks)

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1.1.2. State five (05) signs of warfarin overdose. (10 marks)

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1.1.3. Briefly explain drug interactions associated with warfarin. (20 marks)

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1.2.2. List two (02) adverse effects of aspirin associated with gastrointestinal track.

(10 marks)

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1.2.3. Write two (02) therapeutic uses of Celecoxib in clinical practice.

(10 marks)

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2.

2.1

2.1.1. Write two (02) examples for each of the following drug categories used in treatment of peptic ulcers. (10*2 marks)

a. Proton pump inhibitors

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b. Antacids

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2.1.2. Describe the mechanism of action of proton pump inhibitors. (20 marks)

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2.1.3. Antimicrobial agents are used in treatment of special conditions of peptic ulcers. Write two (02) main treatment regimens with antibiotics used in this condition. (10 marks)

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2.2.

A 55 year old bank manager presented to the medical clinic with a lipid profile. He is a smoker and his BMI is 32Kg/m². His lipid profile is as follows.

		Reference values
Total Cholesterol	- 280mg/dl	<200 mg/dl
Triglyceride	-210mg/dl	<150mg/dl
LDL - Cholesterol	-230mg/dl	60-130 mg/dl
HDL - Cholesterol	-30mg/dl	>60mg/dl

2.2.1. List three (03) abnormalities of this lipid profile. (9 marks)

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2.2.2. State three (03) lifestyle modifications that you would instruct to this patient.

(15 marks)

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2.2.3. Write the most suitable drug class with an example that can be used to reduce LDL cholesterol in this patient.

(10 marks)

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2.2.4. Write two (02) specific adverse effects of the drug that you mentioned in 2.2.3.

(10 marks)

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2.2.5. Write the most preferable time to administer the drug that you mentioned in 2.2.3 giving the reason.

(6 marks)

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3.

3.1.

3.1.1 List two (02) drugs which are used to treat hypothyroidism. (10 marks)

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3.1.2. Select one drug you have mentioned in 3.1.1.

a. State two (02) side effects of that drug. (10 marks)

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b. State one contraindication of that drug. (5 marks)

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3.1.3 List three (03) antithyroid drugs which belong to thionamides group. (15 marks)

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3.1.4. Explain mode of action of one drug you have mentioned in 3.1.3. (10 marks)

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3.2.

3.2.1. List four (04) antiemetic drug classes and state **one** example for each drug class. (08 marks)

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3.2.2. State action of following ingredients contained in reduced osmolality oral rehydration solutions. (6*2 marks)

a. Glucose

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b. Citrate

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3.2.3. Describe the mode of action of calcitriol (1,25- dihydroxycholecalciferol). (15 marks)

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3.2.4. Describe the mode of action of bisphosphonates. (15 marks)

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