



FACULTY OF ALLIED HEALTH SCIENCES, UNIVERSITY OF RUHUNA
 Department of Nursing
 4th End Semester Examination – 2022 – 2018/2019 (12th) Batch
 NUR 2212 – Pharmacology in Nursing II - SEQ

Date: 21st December 2022

Time: 2.30 p.m.-3.30 p.m.

Duration: 1 hour

Index Number:

Answer all questions.

1.

1.1. Match each drug used in thyroid diseases with the mode of action given in the box. Each lettered option can be selected only once, more than once, or not at all. (20 marks)

Mode of action

- A. inhibits the oxidation of iodide and organification of iodide.
- B. Causes thyroid cell necrosis
- C. Inhibits thyroglobulin proteolysis thus inhibits hormone release from the thyroid gland

Drugs

- 1.1.1. Methimazole -.....
- 1.1.2. Potassium iodide -.....
- 1.1.3. Propylthiouracil -.....
- 1.1.4. Radioactive iodine -.....

1.2.

1.2.1. Briefly explain the mechanism of action of metformin. (10 marks)

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1.2.2. List four (4) common side-effects of metformin.

(10 marks)

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1.3. Oral rehydration therapy is a type of fluid replacement used to prevent and treat dehydration, especially due to diarrhea.

1.3.1. List the constituents of oral rehydration solution (ORS) recommended by WHO in 2002. (10 marks)

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1.3.2. Briefly describe the mechanism of action of each constituent in ORS. (10 marks)

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1.4.

1.4.1. Briefly describe the mechanism of action of alendronate.

(10 marks)

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1.4.2. Severe esophageal reactions are one of the side effects associated with alendronate. Briefly explain how you would instruct patients to reduce the risk of developing esophageal reactions. (10 marks)

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1.5. (10 marks)

1.5.1. List four (4) indications of testosterone.

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1.5.2. Briefly explain the mechanism of action of testosterone. (10 marks)

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