

FACULTY OF ALLIED HEALTH SCIENCES
UNIVERSITY OF RUHUNA, GALLE
DEPARTMENT OF NURSING
4th END SEMESTER EXAMINATION

Pharmacology (Nursing 2221)-SEQ

Date: 10th June 2019 Time: 10.00 a.m.-11.30 a.m. Duration: One & half hour

Index Number:

Part-A

1.
1.1 Compare the differences between biguanides and sulphonylure with regard to their mechanism of action, side effects and clinical uses (30 marks)

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1.2 Classify the types of insulin according to the onset of action (10 marks)

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1.3 Give an example of each of the type mentioned in 1.2 (10 marks)

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1.4 State ten important advices you would give a patient who is on insulin (10 marks)

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1.5 Describe the reason for your advices in 1.4 (40 marks)

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Part B

1.

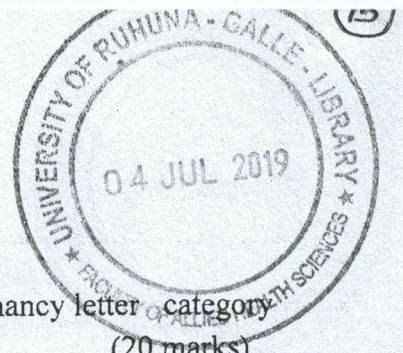
1.1. Write five advices you would give to a patient who was prescribed thyroxin
(20 marks)

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1.2 A 66 year old patient with multi nodular goitre was admitted to a surgical unit for thyroidectomy. Prior to the surgery lugol's iodine was used to treat the patient. Describe the pharmacological basis of using lugol's iodine in the above situation

(40 marks)

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1.3 Compare pregnancy and lactation labeling final rule (PLLR) with pregnancy letter category system (20 marks)

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1.4 Morphine was prescribed to a patient following laparotomy. What are the parameters you would monitor in this patient after administration of morphine? State the reason for your answer. (20 marks)

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Index Number:

Part -C

1.1

1.1.1 Give the classification of anticancer drugs with two examples for each group.

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1.1.2 Briefly explain the mechanism of action of following anticancer agents.

- a. Cyclophosphamide
- b. Methotrexate
- c. Vincristine
- d. Rituximab

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1.2

1.2.1 List the main hormones involved in the regulation of calcium level in the body.

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1.2.2 Briefly describe the role of vitamin D in the regulation of plasma calcium level in the body.

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1.2.3 Osteoporosis is a bone disorder that is more common in postmenopausal women. Briefly describe the mechanism of action of bisphosphonates in the treatment of osteoporosis.

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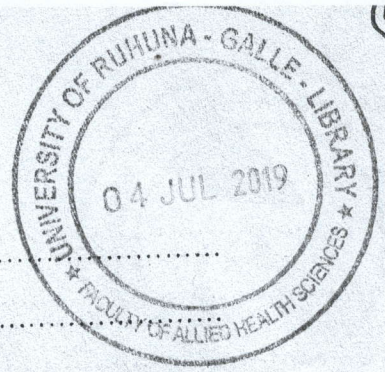
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1.2.4 What are the important information that you should give to a patient who is on alendronate sodium for the first time .

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