

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE AWARD OF MASTER
OF SCIENCE IN NURSING

NUMS 842: EDNOCRINOLOGY NURSING

STREAMS: MSC (NURS) Y2S1

TIME: 3 HOURS

DAY/DATE: THURSDAY 01/04/2021

2.30 P.M. – 5.30 P.M.

INSTRUCTIONS: Answer ALL questions

QUESTION ONE (25 MARKS)

A 65 year old man with type 2 diabetes mellitus (T2DM) is being prepared for below knee amputation due to gangrene:

- (a) Discuss the preoperative management of the above patient giving rationales [10 marks]
- (b) Explain the potential cause of gangrene in the above patient [7 marks]
- (c) Discuss the discharge planning for the above patient [8 marks]

QUESTION TWO (25 MARKS)

A 50 year old woman is admitted in the medical ward with a diagnosis of hypothyroidism. Her present complaints include worsening fatigue and hair loss. She has gained 8.4 kg since her last clinic visit 4 months ago. She reports not sleeping well and feeling cold all the time. Current vital signs show heart rate of 105 beats/min and blood pressure of 136/72 mmHg.

- (a) Explain the potential causes of her disease [8 marks]
- (b) State five (5) diagnostic features of hypothyroidism [5 marks]
- (c) Describe the standard inpatient nursing management of the above patient [12 marks]

QUESTION THREE (25 MARKS)

A 60 year old woman who was brought in a semiconscious state is being evaluated at the emergency room. A diagnosis of diabetic ketoacidosis is confirmed following standard investigations:

- (a) Explain the standard criteria used to ascertain the above diagnosis [4 marks]
- (b) Discuss the emergency management of the above patient giving rationales [10 marks]
- (c) Outline the discharge instructions for the above patient [6 marks]

QUESTION FOUR (25 MARKS)

Describe the causes, clinical manifestations and medical management of the following endocrine disorders:

- (a) Pheochromocytoma [9 marks]
 - (b) Type 1 diabetes mellitus [9 marks]
 - (c) Chronic thyroiditis [7 marks]
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