

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**SECOND YEAR EXAMINATION FOR MASTER OF SCIENCE IN NURSING IN
CRITICAL CARE NURSING**

NUCC 844: ENDOCRINOLOGY CRITICAL CARE NURSING

STREAMS: Y2S2

TIME: 3 HOURS

DAY/DATE :

Instructions

Answer all questions

Question One (25 marks)

A 55-year-old man is admitted in the emergency ward with diabetic ketoacidosis. He is a known type II diabetes mellitus patient on insulin and oral glucose lowering drugs. He was well until two days before admission, when he collapsed at home:

- a) Describe the standard criteria for the diagnosis of diabetic ketoacidosis (5 Marks)
- b) Explain the potential risk factors for the development of diabetic ketoacidosis in the above patient (5 Marks)
- c) Discuss the collaborative management of the above patient (15 Marks)

Question Two

Discuss the causes, clinical presentation and specific nursing management of the following conditions:

- a) Hypoglycemia (12 Marks)
- b) Thyroid storm (13 Marks)

Question Three

A 65-year-old woman with hypothyroidism is admitted in the critical care unit with myxedema coma. She was initially admitted in the medical ward for observation. Relatives give history of patient's progressive and worsening fatigue and lethargy over a period of approximately 6 months. On examination she is unconscious, bradycardic at 51 beats/min and with blood pressure of 89/45 mm Hg. She has dry, coarse skin with notable lower extremity edema.

- a) Explain the causes of coma in the above patient (5 marks)
- b) Discuss the collaborative management of the above patient (20 Marks)

Question Four

A 54-year old man is admitted in the acute medical ward with severe Addison's disease:

- a) State five (5) causes of Addison's disease (5 Marks)
- b) Discuss the priority nursing management of the above patient (20 Marks)