

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

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

NUCC 845: CARDIOVASCULAR CRITICAL CARE NURSING

STREAMS: Y2S2

TIME: 3 HOURS

DAY/DATE :

Instructions

Answer all questions

Question One (25 Marks)

A 60-year-old woman with history of hypertension and coronary heart disease is admitted for acute decompensated heart failure.

- a) Explain the meaning of acute decompensated heart failure (2 marks)
- b) Describe the standard investigations to be done for the above patient giving rationales (8 marks)
- c) Discuss the collaborative management of the above patient (15 marks)

Question Two (25 Marks)

A 58-year old man with a history of coronary artery disease is admitted in the critical care unit with acute coronary syndrome (ACS):

- a) Explain the meaning of ACS (3 marks)
- b) State four (4) groups of patients at high risk of developing ACS (2 marks)
- c) Describe the pathophysiology of ACS (8 marks)
- d) Discuss the collaborative management of the above patient (12 marks)

Question Three (25 Marks)

Describe the standard nursing care for the patients undergoing the following cardiac disease management modalities:

- a) Oxygen therapy (8 Marks)
- b) Central venous monitoring (9 Marks)
- c) Thrombolytic therapy (8 Marks)

Question Four

Describe the causes and specific nursing management of the patients with the following conditions:

- a) Pulmonary edema in heart failure (6 Marks)
- b) Hypertensive crisis (7 Marks)
- c) Cardiac tamponade (6 Marks)
- d) Hypotension (6 Marks)