

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF MASTER OF SCIENCE IN NURSING
IN CRITICAL CARE NURSING**

NUCC 845: CARDIOVASCULAR CRITICAL CARE NURSING

STREAMS: MSC N Y2S2

TIME: 3 HOURS

DAY/DATE: MONDAY 12/07/2021

11.30 A.M. – 2.30 P.M.

INSTRUCTIONS:

- **Answer ALL question.**

QUESTION ONE (25 MARKS)

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

- Explain the meaning of acute decompensated heart failure (2 marks)
- Describe the standard investigations to be done for the above patient giving rationales (8 marks)
- 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):

- Explain the meaning of ACS (3 marks)
- State four (4) groups of patients at high risk of developing ACS (2 marks)
- Describe the pathophysiology of ACS (8 marks)
- 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 (25 MARKS)

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)
-