



(University of Choice)

**MASINDE MULIRO UNIVERSITY OF  
SCIENCE AND TECHNOLOGY  
(MMUST)**

**MASTERS**

**UNIVERSITY EXAMINATIONS  
2021/2022 ACADEMIC YEAR**

**FIRST YEAR THIRD Timester EXAMINATIONS**

**FOR THE DEGREE  
OF  
MASTER OF SCIENCE IN NURSING**

**COURSE CODE: NCS 8134**

**COURSE TITLE: CARDIOVASCULAR AND THORACIC  
NURSING**

**MAIN EXAMINATION**

**DATE: Monday 25<sup>th</sup> July, 2022**

**TIME: 11:30- 2:30 PM**

**INSTRUCTIONS TO CANDIDATES**

Answer all Questions

TIME: 3 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over.

**ESSAY QUESTIONS: ANSWER ALL**

1. A 79-year-old woman is admitted to the cardiac care unit with a diagnosis of HF. As you start to fill out the admission database, the woman tells you that she is feeling very anxious and cannot catch her breath.
  - a. What are your assessment priorities? (10 mrks)
  - b. What interventions might need to occur immediately, and how should you act to provide these? (15 mrks)
  
2. Your patient was transferred today from the coronary intensive care unit after experiencing an ST segment elevation myocardial infarction. As you are getting him settled in his room, he tells you that he had an asthma attack that was so severe he went to the emergency department. Upon further discussion, you discover that his only symptoms have been increasing episodes of shortness of breath with mild activity and more fatigue than usual. He attributes these symptoms to smoking and being out of shape.
  - a. What additional information might you need to help explain why he did not experience chest symptoms during his MI? ( 10 marks)
  - b. Why is it important for this patient to have a clear understanding of his diagnosis, symptoms, and health regimen prior to discharge from the hospital? ( 15 marks)
  
3. You are caring for a patient who has been hospitalized with a diagnosis of unstable angina. His condition is stable and he will be discharged later in the day. He is anxious to go home, but agrees to an educational session with you prior to discharge. The patient is obese and has a history of hypertension and cigarette smoking.
  - a. What are the signs and symptoms that your patient must watch out in case of re-occurrence of unstable angina? ( 5 marks)
  - b. Knowing that multiple lifestyle changes are recommended, how will you prioritize your teaching strategies? ( 10 marks)
  - c. What type of follow-up care is available to assist this patient following discharge? ( 10 marks)
  
4. On an inpatient progressive care unit, you are assigned to care for a 60-year-old man who has been readmitted for the third time in the past 10 months with severe HF and generalized edema. According to the patient's chart, he has a history of noncompliance with diet and medications.
  - a. What medical interventions are indicated for this patient at this point in time? ( 10 marks)
  - b. Develop an evidence-based plan of care for this patient's transition from hospital to home. Describe your planned interaction with the patient (ie, communication technique, behaviors) that would encourage the patient to participate in the plan and comply with the plan. ( 15 marks)