

CHUKA

UNIVERSITY

**UNIVERSITY EXAMINATIONS****EXAMINATION FOR THE AWARD OF DEGREE OF MASTER OF SCIENCE IN
NURSING****NUMS 843: CARDIOVASCULAR AND THORACIC NURSING****STREAMS: MSC. NURSING****TIME: 3 HOURS****DAY/DATE: FRIDAY 08/08/2025****8.30 A.M. – 11.30 A.M.****INSTRUCTIONS:**

- Answer any five questions
- Write your answers legibly.

Question One

A 70-year-old woman with a history of congestive heart failure presents to the emergency department with diaphoresis and dyspnea. Vital signs: blood pressure is 170/102 mmHg, heart rate is 104 beats/min, respiratory rate is 26 breaths/min, temperature is 36.4°C, and SpO₂ is 91% on room air. Lung examination shows crackles bilaterally. The jugular venous pressure is elevated and there is presence of peripheral edema:

- Describe the emergency management of the above patient giving rationales (8 marks)
- Describe the standard nursing management for the above patient during the first day of admission (8 marks)
- State four (4) discharge instructions for the above patient (4 marks)

Question Two

A nurse in the emergency department is caring for a client who is experiencing an acute asthmatic attack:

- a) Describe the emergency management of the above client (8 marks)
- b) State two (2) potential complications of the above client and their standard mitigation measures (4 marks)
- c) Describe the nursing instructions concerning health promotion and disease prevention for the above client (8 marks)

Question Three

A nurse is admitting a client who has a suspected myocardial infarction and a history of angina:

- a) Describe the clinical findings that distinguish stable angina from a myocardial infarction (6 marks)
- b) Discuss the specific nursing management of the client with myocardial infarction (8 marks)
- c) Outline the recommended lifestyle changes to prevent angina and myocardial infarction (6 marks)

Question Four

A nurse is caring for a client who has a new diagnosis on tuberculosis and has been placed on a multi-medication regimen:

- a) Describe the standard diagnostic criteria for pulmonary TB in adults (6 marks)
- b) Explain the standard anti-TB drug schedules and the appropriate instructions for the above patient (6 marks)
- c) Discuss the discharge instructions for the above patient (8 marks)

Question Five

Discuss the management of upper airway obstruction under the following subheadings:

- a) Five (5) common etiologies of upper airway obstruction in adults (5 marks)
- b) Characteristic signs and symptoms of upper airway obstruction (5 marks)
- c) Emergency management of the patient with upper airway obstruction (10 marks)

Question Six

Discuss the perioperative nursing management for the adult patient undergoing thoracic surgery (20 marks)

.....