

Q.P. Code: 212351

Reg. No.:.....

**Second Year M.Sc Nursing Degree Supplementary Examinations
February 2025**

**Clinical Specialty II – Medical Surgical Nursing II
Subspecialty – Cardio Vascular and Thoracic Nursing
(2016 Scheme)**

Time: 3 hrs

Max Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Long Essays:

1. Mr. X was admitted in Intensive Cardiac Care Unit after the emergency coronary angioplasty in view of the 100% occlusion in Left Anterior Descending Artery. On the 2nd day you suddenly notice ventricular tachycardia on the cardiac monitor. You are asked to administer Inj. Amiodarone as the drug of choice. Answer the following.
 - a) Explain the protocol for the administration of Inj. Amiodarone in the management of Ventricular Tachycardia.
 - b) Describe the mechanism of action of Inj. Amiodarone.
 - c) Explain the responsibilities of the nurse in administering Inj. Amiodarone as the lifesaving antiarrhythmic drug for Mr. X. (6+6+8)
2. Mr. A, 55 years, with a known case of ischemic heart disease and a chronic smoker, got admitted to cardiac care unit with complaints of heaviness in the chest, breathing difficulty and chest pain radiating to the left arm. On admission, the SPO₂ was 90% and he was started on supplemental oxygen at 4 litres/minute. ECG showed changes in anterior leads with Troponin T level 0.4ng/ml and was diagnosed to have myocardial infarction. Answer the following in relation to the diagnosis and presenting complaints of Mr. A
 - a) Explain the types of myocardial infarction based on the ECG changes.
 - b) Describe the pathophysiology of myocardial infarction.
 - c) Discuss the role of a nurse in the management of Mr. A (4+5+6)

Short Essays:

(4x10=40)

3. Trends in the field of cardiology.
4. Steps in interpreting Arterial Blood Gas Analysis.
5. Pre and post-operative care for a patient undergoing Coronary Angioplasty.
6. Medical Management for Pulmonary Tuberculosis.

Short Notes:

(5x5=25)

7. Types of Aortic Aneurysm.
8. Treatment modalities in transposition of great arteries.
9. Post resuscitation care.
10. Care of patient on mechanical ventilator
11. Responsibility of nurse during and after endotracheal intubation
