

**FACULTY OF HEALTH SCIENCES
DEPARTMENT OF NURSING SCIENCE**



<u>PROGRAMME</u>	: FURTHER NATIONAL HIGHER DIPLOMA BCUR ED ET ADMIN (SPECIALTY CRITICAL CARE NURSING)
<u>SUBJECT</u>	: MEDICAL AND SURGICAL NURSING SCIENCE: CRITICAL CARE NURSING (GENERAL) MODULE 1: MEDICAL AND SURGICAL FUNDAMENTAL NURSING MODULE 2: CARDIOLOGY AND CARDIO-THORACIC SURGERY
<u>CODE</u>	: MCV2017
<u>DATE</u>	: WINTER EXAMINATION MAY/JUNE 2016
<u>DURATION</u>	: 3 HOURS
<u>WEIGHT</u>	: 50:50
<u>TOTAL MARKS</u>	: 100
<u>EXAMINER</u>	: PROF WE NEL (UJ)
<u>MODERATOR</u>	: DR T HEYNS (UP)
<u>NUMBER OF PAGES</u>	: THIS PAPER CONSISTS OF TWO (2) PAGES PLUS ONE ANNEXURE
<u>INSTRUCTIONS</u>	: ANSWER ALL OF THE QUESTIONS. ½ MARK PER CORRECT FACT.
<u>REQUIREMENTS</u>	: USE OF A CALCULATOR IS ALLOWED.

QUESTION 1

Mr S 70kg is admitted to the cardiac ICU with severe chest pain. He had the chest pain for three (3) hours before being admitted to the unit. An ECG (annexure 1) is taken. The cardiologist is busy in the catheterisation laboratory and as you are an experienced cardiac nurse he tells you to start with treatment for Mr S.

- 1.1 Explain why the inflammatory process is one of the main reasons for coronary artery disease. (12)
- 1.2 Describe the assessment you would perform on Mr S regarding his pain. (7)
- 1.3 Analyse Mr S's ECG (annexure 1) and come to a conclusion. (15)
- 1.4 Describe the treatment and give a rationale for each action you would perform on Mr S (medical and nursing and laboratory results). (21)

After finishing in the catheterisation laboratory the cardiologist came and was very pleased with the treatment you provided to Mr S. The cardiologist decides to take Mr S for an angiogram. During the angiogram a decision is made to take Mr S for immediate coronary artery bypass surgery.

- 1.5 Describe how you will maintain the cardiac output of Mr S post-operatively. (20)
- *[75]**

QUESTION 2

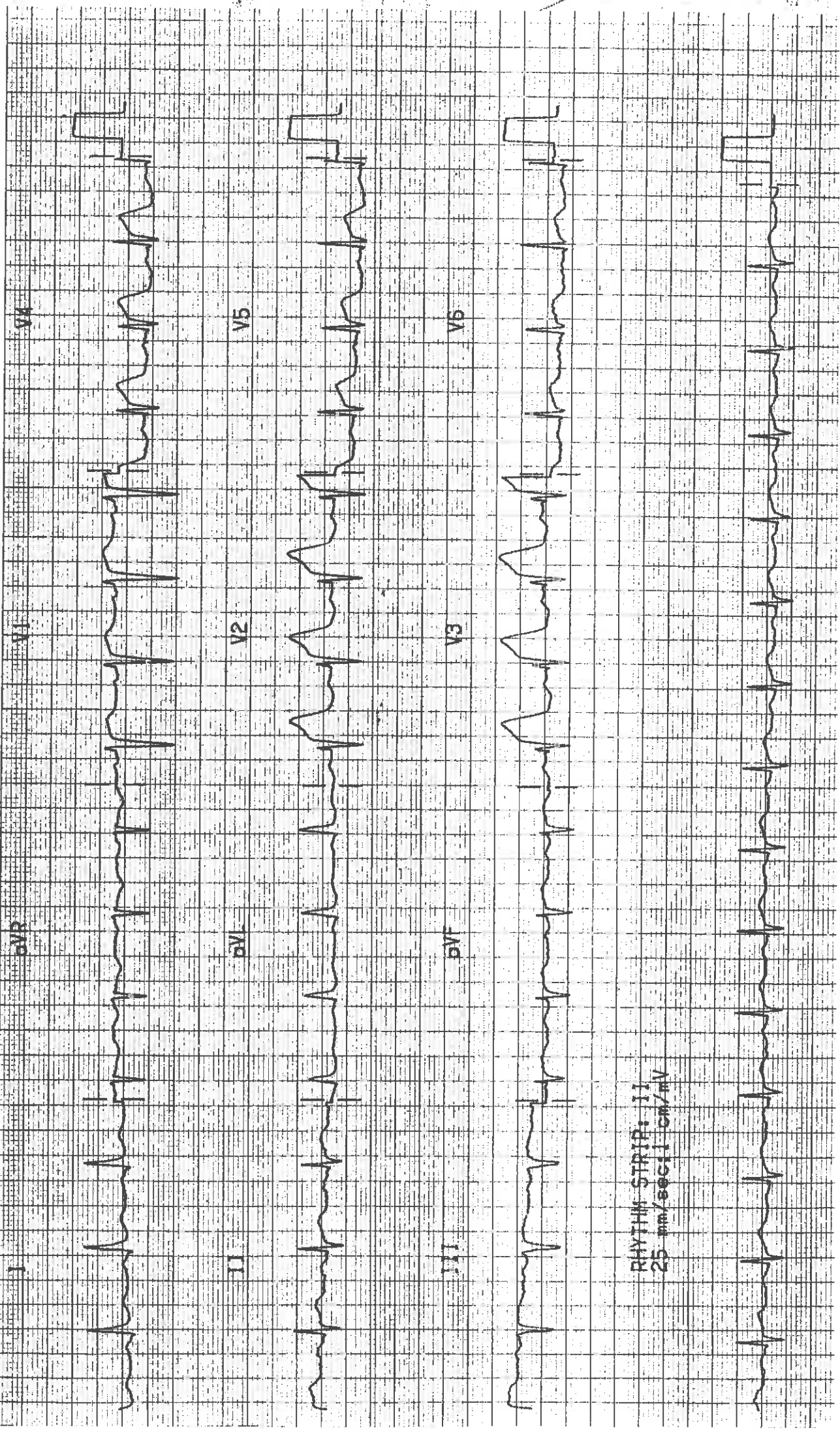
- 2.1 Explain why it is important to prescribe an ACE inhibitor for a patient in heart failure. (15)
 - 2.2 Even though β -blockers have a negative inotropic effect on the heart, explain why β -blockers are prescribed for heart failure patients. (3)
 - 2.3 Explain how you would nurse a patient with a sheath in his right groin. (7)
- *[25]**

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(MCV017)

930701 3⁴⁵ On admission to CCU.



RHYTHM STRIP: II
25 mm/sec 1 cm/mV