

Aswan University
Faculty of Medicine
Dep. of Medical Physiology
Sunday, 20/ 9 /2020

Ms. Program "Cardiology"
Final Physiology Exam.
Time allowed: 60 Minutes.
Total Marks: 25

Answer the following questions:

- 1- A 65 year-old man presents to the emergency department with an episode of chest tightness and pain in neck, shoulders and arms that is not relieved by rest or nitroglycerin. After stabilization in the ICU for 2 days, cardiac biomarkers and ECG findings confirm the diagnoses of myocardial ischemia .
- a- Discuss different factors controlling coronary blood flow. (10 marks)
 - b- Explain the pathophysiology of ischemic pain. (05 marks)
- 2- Describe how oxygen is carried by blood and the significance of oxygen dissociation curve? (10 marks)
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Good Luck. Prof. Mahmoud Raafat & Exam committee