

Aswan University

MS. "Medical Physiology"

Faculty of Medicine

Final physiology exam."First Paper"

Dep. of Medical Physiology

Time : 3 Hours.

Sunday, 8/5/ 2022

Total Marks: 200

Answer the following questions:

1 – Cardiovascular System: (110 Marks)

- 1- Write an account on ions channels of the cardiac muscle ,types and functions? (40 Marks)
- 2- Discuss the role of baroreceptors on regulation of the circulatory system? (40 marks)
- 3- Mention factors affecting coronary blood flow? (30 Marks)

11 – Blood and Immunology: (40 Marks)

- 1- Discuss the mechanisms of haemostasis? (20 Marks)
- 2- Define innate immunity and mention its mechanisms?(20 Marks)

111 – Nerve and Muscle: (50 Marks)

- 1-State the excitation – contraction coupling of skeletal muscle? (10 Marks)
- 2- Describe the origin of nerve resting membrane potential? (20 Marks)
- 3- Write on excitability changes during muscle contraction? (20 Marks)

Good Luck. Prof. Mahmoud Raafat & Exam committee