

Aswan University

Ms. Program "Medical Physiology"

Faculty of Medicine

Final physiology exam."First Paper"

Dep. of Medical Physiology

Time : 3 Hours.

Sunday, 15/4/ 2018

Total Marks: 200

Answer the following questions:

1 – Cardiovascular System: (110 Marks)

- 1- Write an account on the mechanisms responsible for control of peripheral blood flow? (40 Marks)
- 2- Briefly discuss factors regulate the cardiac performance? (40 Marks)
- 3- Explain the mechanisms by which pathophysiological changes in different organ systems can cause generalized oedema? (30 Marks)

11 – Blood and Immunology: (40 Marks)

- 1- Discuss the functions of blood platelets and the pathophysiology of their deficiency? (20 Marks)
- 2- Differentiate between humoral and cell mediated adaptive immunity? (20 Marks)

111 – Nerve and Muscle: (50 Marks)

- 1-State the molecular bases of muscle contraction? (30 Marks)
- 2-Describe the hormonal control of smooth muscle contraction? (20 Marks)

Good Luck. Prof. Mahmoud Raafat & Exam committee