

Aswan University

Faculty of Medicine

Dep. of Medical Physiology

Sunday, 15/4/ 2018

Ms. Degree "Anaesthesia"

Final physiology exam.

Time : 120 minutes.

Total Marks: 40

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Answer all the following questions: (10 Marks each)

- 1 - Write an account on circulatory shock (definition, causes, stages, mechanisms of compensation in non-progressive stage, vicious circle of cardiovascular system deterioration and causes of irreversibility)?
- 2- Discuss hyperthermia (definition, causes, pathophysiological changes and physiological basis of treatment)?
- 3- Mention how the body regulates its acid base balance?
- 4- Discuss physiology of pain (definition, receptor types, adaptation, sensitization, hyperalgesia and central modulation)?

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Good Luck. Prof. Mahmoud Raafat & Exam committee