

Aswan University                      Ms program "Obstetrics &Gynaecology"

Faculty of Medicine                      Final Physiology Exam

Dep. of Medical Physiology                      Time allowed: 90 Minutes

Sunday, 22/4/2018                      Total Marks: 37.5

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Answer the following question:

- 1- A 50-year-old woman presents to the office for her annual physical examination. The patient complains of night sweats, hot flashes, and vaginal dryness. She also reports irregular menstruation. The patient is concerned about the menopause symptoms. Laboratory studies show FSH: 80 U/L (normal: premenopausal 4-30 U/L). LH: 170 U/L (normal: premenopausal 5-150 U/L).
- a- Define menopause? (2.5 Marks)
- b- Describe the pathophysiology of the patient's symptoms? (5 Marks)
- c- Mention the hormonal changes during menopause? (5 Marks)
- 2 - What are the immediate compensatory mechanisms for haemorrhage? (10 Marks)
- 3- Discuss the functions of insulin hormone and the pathophysiological change in its deficiency? (10 Marks)
- 4- State the role of respiratory system in regulation of the acid base balance? (5 Marks)
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Good Luck. Prof. Mahmoud Raafat & Exam committee

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