

University of Al-Qadisyiah

College of Biotechnology

Dept. of Medical & agri. Biotechnology



Examination: Animal physiology

Time: Two hours

Stage: second

Final semester examination of second semester 2016-2017 10/9/2017

Answer all questions below:

Q1: A// What are the evidences that approve the myogenic and not neurogenic origin of the rhythmicity of cardiac muscle? (5 M.)

B// (Two ions are responsible for membrane potential) discuss this. (5 M.)

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Q2: give the differences between (five) of below. (10 M.)

1. atrioventricular valves and semi-lunar valves.
2. SODIUM - POTASSIUM PUMP and (SODIUM Gates and POTASSIUM Gates).
3. Isometric contraction and Isotonic contraction.
4. anterior and posterior pituitary gland.
5. dwarfism and gigantism.
6. transferrin and ferritin.

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Q3: choice (two) of the following: (10 M.)

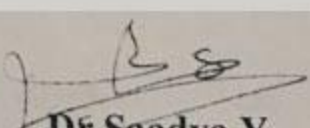
1. What is the hemostasis , what are its stage.
2. What is the Sliding Filament theory?
3. What are the Factors affecting cardiac output?

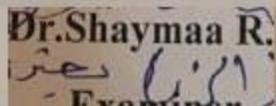
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Q4: Complete the table below : (10 M.)

Hormone	Type	Function	Source
Growth h.			
Insulin			
Calcitonin			
Cortisol			
Aldosterone			

  
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