

UNIVERSITY OF JORDAN

DENTISTRY 2016

# BIOCHEMISTRY

## Collected Questions

Doctors

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Midterm/ Final

Final

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هاي جايز، ما قدرنا نجمّع إلا هذول الأسئلة لأن امتحاننا ما كان سهل للأسف وكان طويل وبده وقت خصوصاً الجينتكس، فلو درسكم دكتور مأمون لا تزعلوه، ولو زعلتوه ادرسوا منيح كتير كتير...

I'm not sure about the answers so I won't put them...

- ✓ If methcystosine was deaminated it becomes?
  - A-uracil
  - B-thymine
  - C-cystosine
  - D-tautomer
  
- ✓ Which one of these is the main reason for DNA denaturation? (I don't know the answer)
  - A-denaturation of H-bonds
  - B-Apurination
  
- ✓ If we made DNA and replaced phosphate with sulfur, what will be absorbed?
  - A-DNA is neutral
  - B-histones will bind to DNA
  
- ✓ What is the velocity if the concentration of the substrate is 60microM and the km.3microM?
  
- ✓ Which one of these doesn't cause that effect on enzyme denaturation?
  - A-high T
  - B- low T
  - C-70%ethanol

D-increasing PH

- ✓ What is the most common disease in Jordan?
  - A-sickle cell anemia
  - B-beta-thalassemia
  - C-Fetal Hemoglobin
  
- ✓ Which reaction is driven by PLP
  - A-Alanine(3C) to pyruvate(3C)
  - B-Alanine(3C) to oxaloacetate(4C)
  - C-pyruvate(3C) to acetyl Co-A(2C)
  
- ✓ Which one of these is the reason for decreasing the rate of the reaction?
  - A- high concentration of the product
  - B-high concentration of the substrate
  - C-high concentration of the enzyme
  - D-none of the above
  
- ✓ More specific for the liver disease is → ALT
  
- ✓ Under non reducing condition a protein exist as 40KD band and after reducing condition it will appear as 30KD and 10KD bands this represent?
  
- ✓ SYBR green is:
  - A-green fluorescence with high RNA
  - B-green fluorescence if gene expression

C-detect DNA double strand(or something like this)  
another choices I don't remember

- ✓ Which one is restriction endonuclease sequence → 5'-GAATTC-3'
- ✓ Which sentence is not true about insertion mutation:
  - A-insertion of anucleotides will change of amino acid sequence.
  - B-will make protein longer
  - C-insertion of **one** nucleotide will change the codon
- ✓ Which one isn't true about retrotransposons :
  - A-high amount in human genome
  - B-its element (LINEs) (SINEs)
  - C-cause gene mutation or suppress
- ✓ If (sigma) subunit is absence in the RNA polymerase , what will happen :
  - A-stop transcription
  - B-will not bind to promoter
  - C-become less efficient
- ✓ About chromatin remodeling factor is true except; present in prokaryote
- ✓ The following statements about picture are true except:
  - A-this exist in prokaryote, but not in eukaryote
  - B-X represent RNA polymerase

C-Z represent the first ribosome

D-process occur from left to right

✓ In one lecture, i joke about all children drink cow milk

3n esh kan e7ke?😂😂😂

Epigenetic

## **Best of Luck**

Recommended movie: no country for old men 2007