

Biochm. 2nd exam qus , 2013 :

- Note :

** I highlighted the most important qus with yellow , make sure to see them .. and pls forgive me for not putting all the choices but that what I could remember 😊

* Which of the following is true :

- A) saturated sugars decrease the packing
- b) unsaturated sugars decrease the packing

answer : B

* Which is incorrect :

- while changing the K system , the V max change

* Which is incorrect :

- A) L initially is low
- B) T initially is high

answer : A

* Which is correct :

- GP is under allosteric modification (GP : Glycogen phosphorylase)

* 1st step to prepare chymotripsin ?

- cleavage by trypsin

* Which is an epimer ?

- A) Glucose and mannose
- B) galactose and mannose
- C) L – erythrose , D-erythrose

answer : A

* which of the following is a reduction reaction ?

A) $\text{NAD}^+ \ggg \text{NADH}$

b) $\text{FADH}_2 \ggg \text{FAD}$

C) $\text{ATP} \ggg \text{ADP}$

Answer : A (remember : reduction is gain of H^+ or loss of O)

* an example for secondary transport ?

- Lactose uptake by bacteria

* Na , K transport is ?

- active transport

* Type of gags found in blood as anticoagulant?

- heparin

* which is correct for proteins ?

- Move freely in plasma membrane

* a-d-galactose is found in ?

A) type A blood

B) type B blood

Answer : B

* Co-enzyme that remove one carbon ?

- tetrahydrofolate

* don't have a Phosphate group ?

a) lechtin

b) cephalin

c) sphingomylin

d) cerebroside

Answer : D

* to transfer NAD⁺ to NADH :

- u need 2e⁻ and 1 proton

* formation of rhodopsin by interaction of :

A) (11-Cis retinal and opsin)

B) (11-trans retinal and opsin)

Answer : A

* which is correct ?

A) animal membranes more fluid

b) increase the cholesterol , increase the rigidity

Answer : B

* ΔG° is at ?

A) ph = 10

B) PH = 1

C) PH = 7

Answer : C

* B-(1-4) found in ?

- A) chitin
- b) glucose
- c) amylopectin

Answer : A

* Cellulose is _____ and amylose is similar to _____ ?

- beta sheets , α - helices

* Amylose take ?

- blue stain

* negative sign is for ?

- A) exergonic and spontaneous
 - b) endergonic and non-spontaneous
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* Which is not a reason for the instability of ATP ? (it's mentioned in the book chapter 15 under **How do energy-producing reactions allow energy-requiring reactions to take place?**)

- A) entropy increase when $ADP \gg ATP$
- B) electrostatic repulsion
- C) resonance

Answer : A

* Which is correct about Co-enzyme A ?

- A) contain ATP
- B) reaction is endergonic
- C) contain pantothenic vitamin

Answer : C

*** LDL , which is correct ?**

- when the cholesterol increases insides the cell , the formation of LDL decrease

*** incorrect for ATcase ?**

A) inhibitory by CTP

b) inhibitory by ATP

Answer : B

*** correct statement ?**

- alpha and beta OH are positioned at carbon 1

Best wishes : Omar Sawas ☺