

# BIOCHEMISTRY ARCHIVE

MID أثر



*Done By*  
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الطب والجراحة  
لجنة

**1- The dye which used for the colorimetric detection and quantitation of total protein in Bradford method?:**

- A) Benedict's reagent**
- B) Methylene blue**
- C) Coomassie brilliant blue**
- D) Ethidium bromide**
- E) Gentian violet**

**ANSWER:C**

**2- The only amino acid that give yellow color when it react with ninhydrin is**

- A) lysin**
- B) proline**
- C) tryptophan**
- E) arginine**

**Answer:B**

**3- When pka is 2.84 , what will be the OH value when it's a buffer :**

- A)3**
- B)4**
- C)5**
- D)6**

**Answer: D**

**4- Solution with ph =8 is ..... a solution with ph=10**

- A)100 times more basic**
- B)10 times more acidic**
- C)2 times more basic**
- D)2 times more acidic**

**Answer : E**

**5- Which one of the following is not stereoisomers :**

- A)Structural isomer**
- B)Epimer**
- C)Conformer**
- D) Anomer**

**Answer: C**

**6- Which of the following is not responsible for protein denaturation?**

- A. Heat**
- B. charge**
- C. ph change**
- D. organic solvent**
- E. Weak acids**

**Answer:B**

**7- Which carbohydrate is found in exoskeleton of insects**

- A-chitin**
- B- Glucose**
- C- sucrose.**
- D- Starch**

**Answer : A**

**8- Which one of the following is conditionally essential amino acid in pregnant and lactating women:**

- A- arginine**
- B- Leucine**
- C- Aspartic acid**
- D- Glutamine**

**Answer: A**

**9- What is the relation between D-glucose and D-fructose?**

- A- D- glucose and D- fructose are enantiomer of each other**
- B- D- glucose is a disaccharide composed of two D- fructose molecules**
- C - D- glucose is a polymer made up of repeating D- fructose unit**
- D- constitutional structure**
- E-D - glucose and D- fructose are structural (constitutional) isomers**

**Answer : E**

**10-Molisch reagent is :**

- A- A type of laboratory glassware used for measuring volumes of liquid**
- B- An acidic solution used for protein denaturation**
- C- A type of PH indicator**
- D- A reagent used for detecting the presence of liquid in a sample**
- E- Molisch reagent is a chemical solution used in biochemical and chemical tests to detect the presence of carbohydrates, particularly simple sugars like glucose**

**Answer: E**

**11-The first type of food that can begin to be digested in the mouth :**

- A- carbohydrates**
- B- protein**
- C- fat**
- D- mineral**

**Answer: A**

فانتبه يا بنيّ لنفّسك، واندم على ما مفسى من  
تفريطك، واجتهد في لحاق الكاملين، ما دام في  
الوقت سعة، واسقى غصنك ما دامت فيه رطوبة،  
واذكر ساعتك التي ضاعت فكفى بها عظة، ذهبت  
لذة الكسل فيها، وفاتت مراتب الفضائل.

واعلم يا بني أن الأيام تُبسط ساعات، و الساعات  
تُبسط أنفاسًا، و كل نفس خزّانة، فاحذر أن يذهب  
نفس بغير شيء، فترى في القيامة خزّانة فارغة  
فتندم.

**ابن الجوزي -**