

Archive Subject

Collected by



الطب الجراحة
لجنة

ARCHIVE MID BIOCHEM, WAREED

1-If the Normality=3 of the H_2CO_4 ,the Mortality is?

- a) 1.5
- b) 1.8
- c) 3
- d) 2

2-If the Mortality =6 , the Normality of H_2PO_4 is?

- a) 15
- b) 19
- c) 18
- d) 14

3-Which of these is a polar covalent bond ?

- a) P-----Ca
- b) Na-----Cl
- c) H-----H
- d) H-----CL

4-One of the following is not a canonical amino acid property ?

- a) L-amino acids only
- b) D-amino acids only
- c) All Alpha amino acids
- d) None of these

5-A boy's body lacks collagen , which amino acid would makeup for the lack of the following ?

- a) Glycine
- b) prolin
- c) Hydroxyproline
- d) Isoleucine

6-(-NH)group is called?

- a) amino group
- b) hydroxyl group
- c) carboxyl group

7-Ligases enzyme is?

- a) join two molecules with covalent bond
- b) cleaves various bonds
- c) catalyzes isomerisation
- d) transfer functional group

8-Which of the following is true about micropeppite ?

***they are subject to inaccuracies caused by the changing environment

9-How the polypeptide chain is formed ?

- a) carboxyl group give -OH from amino acid , and amino group give -H from another amino acid
- b) carboxyl group give -H from amino acid , and amino group give -OH from another amino acid

10-If you know that the chemical formula of the amino acid glycine is $C_2H_5NO_2$, then what is the molecular formula of a peptide that is composed out of 10 residues of glycine?

- a) $C_{20}H_{32}N_{10}O_{11}$
- b) $C_{20}H_{50}N_{10}O_{11}$
- c) $C_{20}H_{30}N_{20}O_{11}$
- d) $C_{20}H_{32}N_{10}O_{15}$

11-Tripeptide chain?

- a) 3 amino acid , 2 peptide bond
- b) 2 amino acid , 1 peptide bond
- c) 4 amino acid , 3 peptide bond
- d) 5 amino acid , 4 peptide bond

12- The process of making the peptide bond ?

- a) Translation
- b) Dehydration synthesis
- c) Transcription

13-Which one is non-essential amino acid?

- a) leucine
- b) valine
- c) tryptophan
- d) glycine

14-The peptide bond ?

- a) Lost (-OH) from carboxylic group and lost (-H) from amino acid
- b) Lost (-H) from carboxylic group and lost (-OH) from amino acid

15-The reason for the formation of phenylketonuria?

***Defect in the enzyme

16-what is the biochemical laboratory test in relation to assisting in the early diagnosis of disease ?

a) Creatine kinase (ck-MB)

b) ALT

c) TSH

d) CEA

17-Which of the following is correctly matched?

a) tristearin is a conjugated lipid

b) cholic acid is simple lipid

c) plasmalogen is derived lipid

d) estrogen is simple lipid

18-The order of the density of lipoprotein from lowest to highest ?

a) CM , VLDL , LDL ,HDL

b) HDL,LDL ,VLDL,CM

c) VLDL ,LDL ,HDL ,CM

d) LDL,CM,HDL,VLDL

19-Which of the following sciences are used to study the structures of genes?

a) glycomics and molecular genetics

b) molecular diagnostics and molecular biology

20-What is the essential amino acid for pregnancy and children ?

- a) Arginin
- b) Lysine
- c) Isoleucine
- d) glutamine

21-What of the following makes Vitamine D?

- a) Decarboxylation-7
- b) Hydroxylation-7

22-If the CO₂ level increases in the blood, PH becomes

- a) 7,4
- b) 7,3
- c) 7,6
- d) 8,3

23- Which of the following are the correct abbreviations of these amino acids ,(Therionin ,Arginine ,Serine ,Glycine,Serine)?

- a) T ,R,S,G ,S
- b) T ,A ,S,G,S
- c) H,A,S,G,S

24-Solution has PH=6 , [A-]=4 , what is the PKa?

- a) 6
- b) 1.8
- c) 9
- d) 3.2

25-What causes Alzheimer disease?

***accumulation of beta amyloid.

26- Which one of these is not an acidic amino acid , not positively charged ?

- a) glutamate
- b) glutamic acid
- c) aspartate
- d) aspartic acid
- e) glutamine

27- One of these fatty acids has omega 3 in its structure ?

***Linolenic acid

28-What is Ceramide ?

***Sphingosine connected by an amide linkage to a fatty acid.

29- Which bond is found only in pleated sheets?

- a) hydrogen bond
- b) ionic bond

30-Given that for a glycine $PK_1=2.4$ and $PK_2=9.8$, which of the following PH points is incorrectly matched with the charge of glycine at that point ?

- a) $PH=1$ +1
- b) $PH=13$-2
- c) $PH=6.1$Zwitterion
- d) $PH=9.8$50 % neutral and 50% negative
- e) $PH=14$-1

GOOD LUCK

BATOOL FREHAT , Wateen