





Answer: *Isomerase*

FBQ49: The value obtained at half maximum velocity is

Answer: *Km*

FBQ50: An holoenzyme will contain ------

Answer: *An apoenzyme and co-factors*

Multiple Choice Questions (MCQs):

MCQ1: Antioxidant enzymes are predominantly found in

Answer: Peroxisome

MCQ2: Which of the following has no effect on the fluidity of the plasma membrane

Answer: Asymmetry nature of phospholipids

MCQ3: Which of the following substances are not actively transported through the cell

membrane

Answer: Sodium ion

MCQ4: Which of the following is not true of phosphoglycerides of cell membrane

Answer: They contain glycerol back bone

MCQ5: Which of the following is not true about the property of peripheral protein

Answer: Detergents are required to removed them

MCQ6: The factor that regulate facilitated diffusion across membrane is

Answer: The concentration gradient

MCQ7: Cystic fibrosis is a disorder of

Answer: ČI- channels

MCQ8: The detoxification of toxic compounds and drug metabolism takes place in the

Answer: mitochondria

MCQ9: Sodium and potassium channels are example of ------

Answer: Voltage gated channels

MCQ10: Cell death resulting from the lack of essential growth factors is known as ------

Answer: Lession

MCQ11: Which of these nucleic acid bases can cause glycosuria

Answer: Adenine

MCQ12: The condensation product of purine and pyrimidine bases with sugar (ribose

or deoxyribose) is-----

Answer: DNA

MCQ13: Cyclic AMP is an example of

Answer: Nitrogenous base

MCQ14: The distance between adjacent base pair in a DNA duplex is ------

Answer: 0.34 nm

MCQ15: The distance between neighbouring nucleotide in a DNA strand is

Answer: 0.34 nm

MCQ16: A substance that reduces the pH of a solution by removing OH- from solution

is most likely a -----

Answer: Acid

MCQ17: A conjugate acid bas pair will give raise to which of the following?

Answer: Acidic solution

MCQ18: Protein buffer system is most likely to be found in ------

Answer: ECF

MCQ19: Increase in blood pH as a result of rigorous exercise is called

Answer: Metabolic acidosis

MCQ20: The pH of 0.0001 M HNO3 is

Answer: 1

MCQ21: What will be the new pH if 50 ml of distilled water is added to 100 ml of the

solution above in question 20

Answer: 2.5

MCQ22: When the concentration of acid and conjugate base in a solution is equal,

which of the following statement is in-correct?

Answer: The pH = pka

MCQ23: Which of the following is the type of glycosidic bond in cellulose

Answer: Î²-(1-4)

MCQ24: The specific optical rotation of equilibrium mixture of α and β- D glucose is

Answer: 18.7 degree

MCQ25: Anomerism is produced with reference to one of the following

Answer: Carbon 1 in aldose and ketose

MCQ26: When glucose is reduced, the product is

Answer: Mannitol

MCQ27: Galactose reacting in the presence of nitric acid and heat will give a

compound called Answer: Mucic acid

MCQ28: The bond found in sucrose is between

Answer: Carbon 1 of glucose and carbon 2 of fructose

MCQ29: The following amino acids have right handed stereoisomerism except

Answer: Valine

MCQ30: Which of the following naturally occurring amino acids is not L-amino acids?

Answer: Histidine

MCQ31: Which of the following is not a branch chain amino acids

Answer: Methionine

MCQ32: Toxix non protein amino acids include

Answer: Ornithine

MCQ33: Ketogenic amino acids include the following except

Answer: Phenylalanine

MCQ34: Which of the following is not a class of lipid

Answer: Simple lipids

MCQ35: The major function of cholesterol is all of the above except

Answer: Synthesis of bile salt

MCQ36: The following are essential fatty acids except

Answer: Linoleic acid

MCQ37: Which of the following is the precursor of prostaglandins

Answer: Linoleic acid

MCQ38: Which of the following enzymes are involved in the hydrolysis of triacylglycerol

Answer: Cyclooxygenase

MCQ39: The following are true concerning linolenic acid except

Answer: It is synthesized in the kidney

MCQ40: All of the following are correct regarding triacylglycerol except

Answer: TAG are esters of alcohol and fatty acids

MCQ41: The unit of catalytic constant is

Answer: Katal

MCQ42: The intercept on the X axis for a Woolf plot is

Answer: Km / Vmax

MCQ43: The slope of Eadie-Hofstee plot is

Answer: Km / Vmax

MCQ44: The slope of Lineweaver burk plot is

Answer: Km / Vmax

MCQ45: The intercept on the horizontal axis of Linweaver burk can be use to estimate

Answer: Km / Vmax

MCQ46: The value derived at half maximum velocity is of an enzyme catalyzed

reaction is

Answer: Km / Vmax

MCQ47: The linear transformation of Michaelis-Menten equation will give raise to the

following except

Answer: Lineweaver Burk plot

MCQ48: Catalysis takes place on Â-Â-Â-Â-_____ site of an enzyme

Answer: Active site

MCQ49: Regulation of enzyme activity by cleavage of some residue from the enzyme

is known as

Answer: Allosteric regulation

MCQ50: A non-protein part of an enzyme is known as the

Answer: Co-factor