



BRAINWARE UNIVERSITY

Term End Examination 2022 Programme – B.Sc.(CCT)-2021/B.Sc.(CCT)-2022 Course Name – Biochemistry Course Code - BCCT103/BCCTC103 (Semester I)

Full Marks : 60 Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question) 1 x 15=15

1. Choose the correct alternative from the following:

(i) Increased dietary uptake of trans fatty acid causes-

a) Increase HDL in blood

b) Increase LDL in blood

c) Increase LDLand decrease HDL in blood

d) Increase HDL and decrease LDL in blood

(ii) Name of the cell organellie where ATP generation takes place

a) Lysosome

b) Chloroplast

c) Mitochondria

d) Centrosome

(iii) Identify the function of calcium

a) Formation of bone and teeth

b) Digestion of food

c) Formation of urine

d) All of these

(iv) Plasmolysis is defined as

a) Shrinkage of the protoplasm of a plant cell $% \left\{ \left(1\right) \right\} =\left\{ \left(1$

due to loss of water

b) Swelling of the protoplasm of a plant cell due to gain of water

d) None of these

(v) Which of the following method is used for creatinine test-

a) Jeffe method

c) All of these

b) Kinetic jaffe method

c) Technicon method

d) Enzyme assay

(vi) Working principle of ELISA assess-

a) Ag-Ab naturalization

b) Ag-Ab complexd) None of these

(vii) Identify which is not the function of plasma membrane-

a) Energy transduction

b) Intercellular interaction

c) Responding to external stimuli

d) Assisting in chromosome segregation

(viii) Select which of the following is not an example of liver disease?

a) Fascioliasis

c) 1&2

b) Fatty liver disease

c) Chiken pox

d) Gilbert's syndrome

(ix) Indicate which is buffer-

a) H2CO3& NaHCO3

b) NaOH & NaCl

c) HNO3 &NH4NO3

d) None of these

	When the passage of water across a selectively	permeable membrane is-		
	a) Osmosis	b) Active transport		
(xi)	c) Faciliated diffusion Sandwitch ELISA is used to predict	d) pinocytosis		
(///	a) AIDS	b) Syphilis		
	c) Pernicious anaemia	d) All of these		
(xii)	Highest viscosity among the following is of-			
	a) water c) Blood	b) Air d) Honey		
(xiii)	(xiii) After break down of hemoglobin, fate of globin is-			
	a) Excreted through Urine	b) stored in liver		
<i>(</i>)	c) Degraded to its aminoacid	d) None of these		
(XIV)	Normal value of plasma amylase-	h) 28 100H/I		
	a) 25-50U/L c) 200-500 U/L	b) 28-100U/L d) None of these		
(xv) Which aminoacids are catagorized as aromatic aminoacid-				
	a) Tryptophan,asparagine,tyrosine	b) Tryptophan,threonine,tyrosine		
	c) Phenylalanine,tryptophan,serine	d) phenylalanine,tryptophan,tyrosine		
Group-B				
(Short Answer Type Questions) 3 x 5			3 x 5=15	
2. Distinguish between RER and SER (3)				
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	rite the normal value of serum AST in male and	female. Why it is an important diagnosti	c (3)	
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