warerifede:212113ppos

Q1.	Wri	ite in detail about the inter-relationship between various	metabolic pathways	(20 marks)		
02.	Wr	ite,short notes on:		(5 marks each = 20)		
Q.	a	Detoxification of ammonia from brain				
	b.	Significance of Rapaport Leubering pathway		1 1 1 1 1 1 1 1		
	c.	Lipid storage diseases	(au			
	d.	Gluconeogeneşis and its significance during starvation	Criq			
	٠.		(Pools access)			
Q3	. Mu	ltiple choice questions:		n caries 1 mark: Total 10 marks		
	a.	Which of the following statements is FALSE regarding A) An active site is normally a hollow or cleft on	n enzyme?			
ı		zyme				
		 R) An active site is pormally hydrophilic in nature 	C			
		 C) Substrates fit into active sites and bind to func 	the active site			
	An active site contains amino acids which are important to the binding process and					
		the catalytic mechanism				
			~ ~			
	Ъ.	Which of the following molecules is involved in the fe	edback control of th	e enzyme phosphorylase A:		
		A) Glucose-1-phosphate	B) Adrenaline			
		C) Glycogen	D) AMP			
	c.	From which amino acid is nitrous oxide generated?				
		A) Arginine	B) Aspartic acid	1.		
		C) Asparaginase	D) Lysine			
	d.	Hemolytic anemia is caused by the deticioney of the enz	tyme:			
		A) Glycogen phosphorylase	 B) Succinate de 	hydrogenase		
		Glucose 6 phosphate dehydrogenase	D) Hexokinase			
i		in the second second second	EVOEDT.			
	e.	Causes of metabolic alkalosis include all the following,				
		A) Prolonged vomitting	B) Continuous gastric aspiration			
		(C) Hyperventilation	D) Ingestion of	antacids		
	f.	Maple syrup urine disease is an inborn error of metaboli	sm of:			
		A) Sulphur-containing amino acids	B) Aromatic a			
		Branched chain amino acids	D) Dicarboxy	lic amino acids		
	g.	Dental caries occur in children due to excess consumption	on of:			
		A) Glucose	B) Sucrose.			
		C) Lactose	D) Maltose			
	L	Albinism is due to deficiency of the enzyme:				
	h.	A) Phenylalanine hydroxylase	∟B) Tyrosinase			
			D) Tyrosine de	hydrogenase		
		C) p-Hydroxyphenylpyruvic acid oxidase	D) Tyloside de	in di ogeniase		
		THE STATE OF THE S				
	1.	The isoenzymes of LDH A) Differ only in a single amino acid	7.31	B) Differ in catalytic activity		
	1.,.	C) Bast in 5 forms depending on M and H monome	nomer contents D) Occur as monomers			
		Comment in a resident in the second		-, seem as institutions		
	į.	Which of the following isoenzyme variants of CK is elevated in myocardial infarction?				
	J					
		A) CK-BB C) CK-MM	D) All the al	oove		
		Fri, 27th May 2022		Max marks 50		

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A J.					
Q1.	Discuss about the role of biochemistry in me Also add a note on the role of Iron in human b				
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Q2.	Write briefly on:	$(4 \times 5 = 20 \text{ marks})$			
	(a) Diagnostic importance of isoenzyme giving few examples				
	(b) Dyslipidemias				
	(c) Gout (W)				
	(d) Fluid Mosaic Model Structure of biologic	cal-membrane with diagram			
Q3.	Multiple Choice Questions:	(Each question caries 1 mark = 10)			
٠.	a. Synovial fluid contains:				
	A) Heparin	P) Hyphyronia gold			
1-1	C) Chondroitin sulphate	B) Hyaluronic acid			
	C) Chondroidh suiphate	D) Keratin sulphate			
	b. Nascent HDL of intestinal origin lacks:				
	A) Apo A	B) Apo C			
	B) Apo E	D) Apo C and Apo E			
	c. Urinary urobilinogen is absent in:	D) ripo e ana ripo E			
	A) Obstructive Jaundice	B) Haemolytic Jaundice			
	C) Hepatic Jaundice	D) Neonatal Jaundice			
	A. Manhala diagona in a V link of diagonal form				
	d. Menke's disease is a X-linked disease characterized by				
	A) Low level of hepatic copper	B) High levels of ceruloplasmin			
	C) High levels of plasma calcium	D) High level of hepatic copper			
	e. Albinism is due to deficiency of the enzy	ne:			
	A) Phenylalanine hydroxylase	B) Tyrosinase			
	C) p-Hydroxyphenylpyruvic acid ox	idase D) Tyrosine dehydrogenase			
	f. The enzyme phosphofructokinase is an ex	ample of:			
	A) Hydrolase	B) Oxidoreductase			
	C) Transferase	D) Ligase			
	n a	the fallenia			
	 g. Refsum's disease results from a defect in t A) Alpha-oxidation of fatty acids 				
	C) Gamma-oxidation of fatty acids	B) Beta-oxidation of fatty acids			
	C) Gamma-oxidation of fatty trotal	 D) Omega-oxidation of fatty acids 			
	h. Free fatty acids released from adipose tis	sue are transported in blood by:			
	A) Albumin B) VLDL	C/IDI			
		D) HDL			
	i. In case of competitive enzyme inhibition:				
	A) Vmax increases while Km remain	ns the same			
	B) V _{max} decreases while Km remains the same				
	C) V remains the same while Km increases				
	D) V _{max} remains the same while Km	decreases			
	j. Gold standard marker for GFR (giomerular filtration rate) estimation is				
	J. Gold standard marker for GFR (gromerus	B) Cystatin C clearance			
_		D) Inulin clearance			
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