Seat	Nur	nber		



BP 203 T Biochemistry (712203)



P. Pages: 3

Time: Three Hours

			22.2					
1	not	PILO	tions	to	Cano	didate	20	
J	1115	uc	UOUS	LO.	Cano	iluali	25 .	٠

- 1. Do not write anything on question paper except Seat No.

 2. Graph or diagram should be drawn with the black ink pen being used for writing paper or black HB pencil.

 3. Students should note, no supplement will be provided.

 4. Figure to the right indicate full marks.

 5. All questions compulsory.

1. Multiple choice questions (MCQ's)

20

- The name glycolysis indicates breakdown of ----- into 3 1,08,73 Am

 a) Pyruvate, Glucose b) Glucose. Pyrod 2.

 b) Glucose. Pyrod 2.

 Which 1)

- Which one is the largest particulate of the cytoplasm?
 - a) Lysosomes
- Golgi apparatus b)
- Mitochondria
- Emoplasmic Recticulum d)
- The major constituents of plasma membrane is --
 - a) Phospholipid

Sphingolipid

Triacylglycerol

Linoleic acid

- Cellular respiration is an example of
 - a) Endergonic reaction
- Oxidation reaction b)
- Exergonic reaction
- d) None of these
- The normal concentration of uric acid in the serum of adults is within the range
 - a) $3 - 7 \, \text{mg/e}$
- 2-4 mg/dL
- d) 5-9 mg/dL.
- rols the major site for purine nucleotide synthesis.

- b) Liver
- Adipose tissue
- d) Kidney

Enzymes are ---- in nature.

- Carbohydrate
- b) Lipid

Protein

d) Acidic

7) by ALE, a)
c)
his document was viewed by ALE, a)
c)

1

8)	A compound which found in all living cells & play key role in energy transformation is.							
		ADP	b)	ATP				
-/	c)	Chlorophyll	d)	Granum				
	d) Grandin							
9)	Study of energy relationship & energy conversion in biological system is termed as							
	a)	Microbiology	b)	Biotechnology				
	c)	Bioenergetics	d)	Biophysics				
	Nucleoside is a pyrimidine or purine base a) Covalently bonded to sugar b) Jonically bonded to sugar							
	c)	c) Hydrogen bonded to sugar						
	d)	d) None of these						
	-,	ALEXANDER DEQUIRE SORE		CHEST OF CLUST OF COMMENT SINETE				
11)	b) lonically bonded to sugar c) Hydrogen bonded to sugar d) None of these Which of the following is a common compound shared by TCA cycle of uria cycle? a) α- ketoglutarate b) Succinyl co A c) Oxaloacetate d) Fumarate							
	a)	α - ketoglutarate	b)	Succinyl co A				
	c)	Oxaloacetate	d)	Succinyl co A Fumarate setone bodies. Rothera test Shick test ABIANA ABIANA ABIANA BURGER BENERALLE ABIANA ABIANA BURGER BENERALLE ABIANA BURGER				
12)		used for the determination	n of k	ratana hadiaa				
12)	a)		b)	Rothera test				
	c)	Van Ark test		Shick test 1201				
	C)	vali Aik test	u)	Shick test				
13)	Lln	ids are generally in i	nature	18/3				
10)	a)		b)	Hydrophebic				
	c)	Both	d)	Nongo				
	0)	Burn (Bracile 72)	u)	tall.				
14)	Typ	e III glycogen storage disea	se is l	known as				
,	a)	Cori's disease	b)	Gierke's disease				
	c)	Pompe's disease	dlam	Anderson's disease				
		budle of	appli					
15)	Hyd	drolysis of fats by alkalies in	& fatty	acids & glycerol is called.				
	a)	Coagulation man 3	b)	Saponification				
	c)	ce III glycogen storage diseat Cori's disease Pompe's disease drolysis of fats by alkalies in Coagulation Suspension plest form of sugar are usual Colorless	d)	Neutralisation				
40)	٥.	WW.	0.0					
16)	Sim	iplest form of sugar are usua	ally.	(b) The second of				
	a)	Colorless AKK						
	C)	Crystalline A replication states with	d)	All of above				
17)	DN	A renlication states with						
11,	a)	Small ragment of DNA	b)	DNA ligase				
	c)	OKAZAKI Fragment	d)	Small fragments of RNA				
		OKAZAKI Fragment	reign	rugaran Asirsa da				
18)	Ead	enzymes have its	structi	ure.				
115		Primary	b)	Secondary				
6	(e)	Tertiary	d)	Quaternary				
1049)			- 7	92 Y 5 12				
19 9)	Bile	acid is synthesized in		10				
	a)	Kidney	b)	Liver				
	c)	Instestine	d)	Stomach				

CTRANT Was view

- is end product of gluconeogenesis pathway. Pyruvate b) Glucose Bile acid c) d) Oxaloacetate Solve any two. Give steps of β oxidation of saturated fatty acid in brief.
- - What is glycolysis? Give its pathway & significances.
 - Give classification of proteins & explain in detail structural classification of proteins.
- 3. Solve any seven.

2.

- Explain HMP shunt pathway. a)
- Describe metabolic disoders of catabolism of phenylalanine & tyrosine.

 Write a note on DNA replication.

 What is ETC & describe its mechanism.

 Explain in detail pathway of urea cycle.

 Give brief account on lipid.

 Write a note on formation & utilization of describe its biological role. b)

- Give classification of carbohydrate & iscuss its biological role.

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I pathway of urea cy.
Account on lipid.

note on formation & utilization on
e classification of carbohydrate & person
Give classification & application proprieties.

Give classification & application of the proprieties of parameters and the parameters

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