	Envallm	ent No:	Exam Seat No:		
	Ellfollill			<u> </u>	
	C.U. SHAH UNIVERSITY				
	Summer Examination-2019				
	-	Name: Biochemistry - Theory Code: BP203T r: 2 Date: 30/04/2019	Branch: B. Pharm Time: 02:30 To 05:30	Marks: 75	
	Instruction	ons:			
	(1) (2) (3)	Use of Programmable calculator & any Instructions written on main answer be Draw neat diagrams and figures (if needs.)  Assume suitable data if needed.	ook are strictly to be obeyed.	rohibited.	
Q-1		Attempt the following questions:		(20)	
	a)	Define Genetic code.			
	<b>b</b> )	Explain Phenylketonuria.			
	<b>c</b> )	Give any to example of Disaccharide	e.		
	<b>d</b> )	Write a note on obesity			
	<b>e</b> )	Define Zwitter ion.			
	f)	What are High Energy compound a	-		
	<b>g</b> )	Give the structure and function of V	itamin $B_6$		
	<b>h</b> )	Define Invert sugar.			
	i)	Explain Cori cycle.			
<b>A</b> 44 .	<b>j</b> )	Define Uncouplers and give its exan	nple.		
Atte	empt the i	following questions:			
Q-2	}	Attempt any two of following:		(20)	
	$\mathbf{A}$	Describe Enzyme inhibition mechan	ism with Examples.	10	
	В	Write in detail Urea cycle.		10	
	C	Explain TCA cycle in detail with its	energetics.	10	
Q-3	}	Attempt any Seven of following:		(35)	
	$\mathbf{A}$	Explain Transcription.		5	
	В	Write a brief note on structure of DN	JA.	5	
	C	Describe the reaction of Amino Acid		5	
	D	Explain Glycolysis with its energetic		5	
	E	Write IUB classification of Enzymes	S.	5	
	F	Describe ETC mechanism.		5	
	G	Write down the classification of Am	ino Acid	5	
	H	Describe $\beta$ - oxidation of fatty acid		5	



Describe  $\beta$ - oxidation of fatty acid

Discuss DNA replication (Semi conservative model).

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