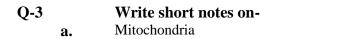
	Enrollment No: Exam Seat No: C.U.SHAH UNIVERSITY Winter Examination-2015					
	Subject 1	Name : Cell & Molecular Biology				
	Subject	Code: 4LS02BIT1	Branch :B.Sc. (Biotechnology)			
	Semester	: 2 Date: 23/11/2015 Time: 10:30 To 1:30	Marks: 70			
	 Use of Programmable calculator & any other electronic instrument is prohibited. Instructions written on main answer book are strictly to be obeyed. Draw neat diagrams and figures (if necessary) at right places. Assume suitable data if needed. 					
Q-1	a)	Give answer in one or two sentences only Name the first amino acid synthesized in translati		(14)		
	b)	· · · · · · · · · · · · · · · · · · ·	on.			
	c)	Write any stop codon?				
		Write any stop codon?is the structural and functional unit	of life.			
	d)	is the structural and functional unit ER stands for	of life.			
	e)	ER stands for				
	e) f)	ER stands for				
	e) f) g)	ER stands for	terphase.			
	e) f)	ER stands for	terphase. most condensed?			
	e) f) g) h) i)	ER stands for	terphase. most condensed?			
	e) f) g) h) i) j) k)	ER stands for	terphase. most condensed?			
	e) f) g) h) i) j) k)	ER stands for	terphase. most condensed?			

Attempt any four questions from Q-2 to Q-8

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Q-2	a		What is cell division? Briefly describe the process of mitosis.	7
	b		What is DNA repair? Briefly explain the process of excision repair.	7



b. Gogli Complex

7



Q-4	a.	why meiosis is known as reductional division? Explain its role in higher eukaryotes.	7
	b.	Explain the properties of Genetic codes.	7
Q-5		Briefly explain the following-	
	a.	Causes of cancer.	7
	b.	What is apoptosis? Explain how it is different from necrosis.	7
Q-6		Write short notes on-	_
	a.	Cell theory	7
	b.	Structure of prokaryotic cell	7
Q-7			
	a.	Explain the replication of DNA in bacteria.	7
	b.	What is transduction? Explain its process and role in bacterial genetics.	7
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Q-8	a.	Explain the process of conjugation in bacteria.	7
	b.	Explain the structure of plasma membrane (PM).	7

