C.U.SHAH UNIVERSITY **Summer Examination-2018**

Subject Name: Cell Biology

	Subject	Code: 4SC01CEB1	Branch: B.Sc. (All)		
	Semester	:: 1 Date: 23/03/2018	Time: 02:30 To 05:30	Marks: 70	
	(2) I (3) I	ons: Use of Programmable calculator a instructions written on main answ Draw neat diagrams and figures (Assume suitable data if needed.	ver book are strictly to be obey	-	
Q-1	-	Attempt the following questio	ons:		(14)
	a)	Define Stem Cell			
	a) b)	Define Programmed Cell Death	1		
	c)	Name the organelle known as S			
	d)	Define Oncogene			
	e)	Name any two gram negative ba	acteria		
	f)	Define Cancer			
	g)	Name the organelle known as P	Powerhouse of Cell		
	h)	Define mitosis			
	i)	Name any semiautonomous cell	-		
	j)	The basic unit of Chloroplast is			
	k)	What is the function of Golgi a	pparatus?		
	l)	Define osmosis			
		Define diffusion What is the function of Plasmas	dogmoto2		
Atte	n) empt any f	What is the function of Plasmoo Four questions from Q-2 to Q-8			
Q-2		Attempt all questions			(14)
	a)	Give a detailed account of the d	-	cell cycle	(7)
	b)	Write a short note on organizati	ion of Nucleus		(7)
Q-3	5	Attempt all questions			(14)
-	a)	Write a short note on Cytoskele	eton		(7)
	b)	With the help of a labeled diagr	cam describe a typical cell and	its constituents	(7)
Q-4	ļ	Attempt all questions			(14)
	a)	Write a short note on Ribosome			(7)
	b)	Differentiate between apoptosis	s and necrosis		(7)



Q-5	Attempt all questions		
-	a)	a) Describe structural features and functions of Mitochondrion	
	b)	Explain the functions of biological membranes	(7)
Q-6		Attempt all questions	
		What are the causes of cancer? Describe the different stages of cancer development. Add a note on diagnosis and treatment.	(14)
Q-7		Attempt all questions	(14)
-	a)	Write a short note on cAMP Pathway	(7)
	b)	Differentiate between gram positive and gram negative bacteria	(7)
Q-8		Attempt all questions	(14)
-	a)	Write a short note on Lysosomes	(7)
	b)	Write a short note on Endoplasmic Reticulum	(7)

