Enrollment No: _____ Exam Seat No: _____ C. U. SHAH UNIVERSITY **Summer Examination-2020**

Subject Name: Cell Biology

Subject Code: 4SC01CEB1			Branch: B.Sc. (Microbiology, Chemistry)			
Semester : 1	Date: 2	28/02/2020	Time : 02:30 To 05:30	Marks : 70		
 Instructions: (1) Use of Programmable calculator & any other electronic instrument is prohibited. (2) Instructions written on main answer book are strictly to be obeyed. (3) Draw neat diagrams and figures (if necessary) at right places. (4) Assume suitable data if needed. 						
Q-1	Attempt the foll	owing question	s:	(14)		
a)	Enlists the function	ons of nucleus		01		
b)	Which organelle	01				
c)		-		01		
d)	Give the full form	01				
e)	Enlists the function	01				
f)	Ribosomes are no	01				
g)	Actin is made-up	01				
h)	What are the maj	01				
i)	Expand: MAPK	01				
j)	What is glycosyla	01				
k)	k) What is DNA?l) Transcription means					
l)	01 01					
,	m) DNA contains negative charge. True/ False					
/	What is cancer?			01		
Attempt an	y four questions f	from Q-2 to Q-	8			
Q-2	Attempt all ques	stions		(14)		
	Explain: Plasma		ts functions	07		
	Write about role			07		
Q-3	Attempt all ques	stions		(14)		
(a)	-		and Golgi apparatus	10		
(b)	Enlists the function	ons of Mitochor	dria and Lysosome	04		
Q-4	Driefly evoluin E	ukarvotia call a	ycle and its regulation	1 /		
	Brieny explain E	ukai yotic cell C		14		
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Q-5		Attempt all questions			
-	(a)	Which organelle is responsible for photosynthesis, briefly explain about	07		
		it			
	(b)	Write about nuclear pore and nuclear pore complex	07		
Q-6		Attempt all questions	(14)		
	(a)	Explain MAP kinase pathway	09		
	(b)	Write a short note on signalling molecules and receptors	05		
Q-7		Attempt all questions	(14)		
L.	(a)	Explain: Development of cancer and its types	08		
	(b)	Draw a diagram of animal and plant cell	06		
Q-8		Attempt all questions			
L.	(a)	Briefly explain: programmed cell death	(14) 10		
	(b)	Define: Dephosphorylation, Phosphorylation, Replication and Reverse transcription	04		

