	Enrollm	ont No:	Exam Seat No:				
			UNIVERSITY				
	Summer Examination-2019						
	-	Name: Cell Biology Code: 4SC01CEB1 r: 1 Date: 16/03/2019	Branch: B.Sc (All) Time: 02:30 To 05:30	Marks: 70			
	Instruction	ons:					
	(1) 1 (2) 1 (3) 1	Use of Programmable calculator & are instructions written on main answer by Draw neat diagrams and figures (if not Assume suitable data if needed.	book are strictly to be obeyed.	orohibited.			
Q-1		Attempt the following questions:		(14)			
Atte	a) b) c) d) e) f) g) h) i) k) n) mpt any f	Cell organelle which has electron to Function of Golgi bodies in plants in Cell membrane is composed of lipid Hydrolytic enzymes are abundant in Ribosomes are the center of protein Lysosome is a single membrane streatra nuclear DNA is found in ribo Cell theory was proposed by Semiautonomous organelle in the control The subunit of prokaryotic ribosom Plant cell wall mainly composed of The largest cell organelle is The unit of heredity is Chemical constitution of nucleus is four questions from Q-2 to Q-8	is translocation of enzymes. Trueds and proteins. True/False nucrosomes. True/False synthesis. True/False ucture. True/False somes.				
Q-2		Attempt all questions		(14)			
	(a) (b)	Explain the respiratory chain mechanisms briefly describe the meiotic cell div		(7) (7)			
Q-3		Attempt all questions		(14)			
	(a) (b)	Write in detail about nucleus and it Explain the fluid mosaic model of p	_	(7) (7)			
Q-4	(a)	Attempt all questions Discuss the major functions of ribo	somes.	(14) (4)			



Describe the process of phagocytosis. Explain the structure of bacterial cell wall.

Attempt all questions Write an essay on the history of cell biology.

(b)

(c)

(a)

Q-5

(3) (7)

(14)

(7)

	(b)	Bring out the functions of chloroplasts during day and night.	(7)
Q-6		Attempt all questions	(14)
	(a)	Write a note on ultrastructure and chemical composition of plant cell wall.	(7)
	(b)	Discuss in detail the structure and functions of Golgi apparatus.	(7)
Q-7		Attempt all questions	
	(a)	Give ultrastructure, chemical composition, and function of chromosomes.	(7)
	(b)	Discuss the different mechanisms of transport across membranes.	(7)
Q-8		Attempt all questions	(14)
-	(a)	Describe the molecular mechanism of signal transduction?	(7)
	(b)	Write a detail account on cytoskeleton structures and their functions.	(7)

