	Enrollmo	ent No:	Exam Seat No:				
			UNIVERSITY				
	Summer Examination-2019						
	•	Name: Cell Biology Code: 4SC01CEB1 :: 1 Date: 16/03/2019	Branch: B.Sc (All) Time: 02:30 To 05:30	Marks: 70			
	(2) I (3) I	ons: Jse of Programmable calculator & a nstructions written on main answer or Draw neat diagrams and figures (if no Assume suitable data if needed.	book are strictly to be obeyed.	rohibited.			
Q-1		Attempt the following questions:		(14)			
Atten	a) b) c) d) e) f) h) i) k) l) mnt any f	Cell organelle which has electron to Function of Golgi bodies in plants. Cell membrane is composed of lipit. Hydrolytic enzymes are abundant in Ribosomes are the center of protein. Lysosome is a single membrane structure. Extra nuclear DNA is found in ribosome cell theory was proposed by Semiautonomous organelle in the control to the subunit of prokaryotic ribosome Plant cell wall mainly composed of The largest cell organelle is The unit of heredity is	is translocation of enzymes. True/ds and proteins. True/False in microsomes. True/False in synthesis. True/False ructure. True/False cosomes.				
Q-2		Attempt all questions		(14)			
	(a) (b)	Explain the respiratory chain mech Briefly describe the meiotic cell di		(7) (7)			
Q-3		Attempt all questions		(14)			
	(a) (b)	Write in detail about nucleus and in Explain the fluid mosaic model of	-	(7) (7)			
Q-4		Attempt all questions		(14)			



Discuss the major functions of ribosomes.

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

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

(a)

(b)

(c)

(a)

Q-5

(4)

(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	(14)
	(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)

