Registration No:			
Tota	ıl Nu	umber of Pages: 02 210 210 210 210 B.TECH PBT3I102	210
3 rd Semester Regular Examination 2016-17 CELL BIOLOGY BRANCH: BIOTECH Time: 3 Hours			
210		210 Max Marks: 100 210 210	210
		Q.CODE: Y576	
Answer Part-A which is compulsory and any four from Part-B.			
		The figures in the right hand margin indicate marks.	
		Part – A (Answer all the questions)	
Q1	a)	Answer the following questions: multiple type or dash fill up type Synaptonemal complex is formed between two (2 x 10)	210
	b)	Division of a body cell into two daughter cells of equal size and	
	•	containing the same number of chromosomes as the parent cell is	
	c)	called DNA is complexed with protein in a structure called	
	d)	· · · · · · · · · · · · · · · · · · ·	
	•	a. Respiration will not occur	
210		b. Protein synthesis will not occur 210c. Photosynthesis will stop	210
		d. It will have no effect.	
	e)	Three membranous components of Golgi are,,	
	t/	and	
	f)	Endoplasmic reticulum mainly concerned with a. Cholesterol synthesis	
210		b. Fatty acid synthesis	210
210		c. Protein synthesis	210
	g)	d. Peptide bound synthesis. Inner membrane of a mitochondrion is covered internally by	
	9)	orparticles.	
	h)	Chromosomes reach on equator during cell division at	
		a.Prophase b. Metaphase	
210		c.Anaphase	210
		d. Telophase	
	i)	Write the name of two genes that express themselves early during	
	j)	development of <i>Drosophila</i> . Number of chromosomes in human genome is	
	37		
Q2	- \	Answer the following questions: <i>Short answer type</i> (2 x 10)	
210	a) b)	Write the names of proteins which form cytoskeletal structures. What are two heritable properties of cancer cell?	210
	c)	What are extrinsic and intrinsic proteins?	_
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