Basic Concepts of Cell Biology, Sem-II, UPC 2492011203

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ASSIGNMENT

20 MARKS

1.	An organism has 40 chromosomes in the diploid stage. Indicate how matchromosomes are present in the following stages:	any
	i. Telophase of meiosis I	(2)
	1	
^	ii. Telophase of meiosis II	10
2.	What will happen to the Golgi Apparatus if vesicular transport from the ER is blocked	ed?
		(3)
3.	Explain the difference between brightfield and phase contrast microsco	ру
	diagrammatically.	(5)
4.	With the help of a diagram, discuss the structure of the nuclear pore complex.	(4)
5.	How are the apical and basolateral domains of an intestinal cell membrane k	ept
	functionally distinct?	(3)
6.	Write a short note on the treadmilling of microfilaments.	(3)