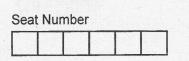
खगोल - 017







Cell Biology (11146)							
	ges : 2 : Two			Max. Marks : 4	40		
, 	1. 2. 3. 4. 5.	tions to Candidates: Do not write anything or Graph or diagram should used for writing paper of Students should note, no All questions are computations Figures to the right indications of the computations are computations.	d be drawn wit black HB pen supplement v lsory. ate full marks	th the black ink pen being noil. will be provided.			
1.	Solve any eight of the followings.						
	a)	Which of the followings activities of a cell. i) Cell wall iii) Flagella	ii) Nucl				
	b)	Rough Endoplasmic Re i) Ribosomes iii) Pigments	ii) Vesi				
	c)	Which of the following of forwarding center' of a i) Golgi complex iii) Nucleus	cell.	loplasmic reticulum			
	d)	Who proposed the cell i) Singer & Nicolson iii) Nageli & Cramer	ii) Sch	lleiden & Schwann Brown & R. Hook.			
	e)	'Suicide bags' are comi i) Ribosomes iii) Vacuoles	ii) Lyse	asosomes stids			
	f)	In prokaryotic cells	is absent.				

ii)

i) Nuclear membrane
iii) plasma membrane

Flagella asexual reproduction iv)

		OR Describe the functions of Nucleus.				
•		Describe the Mitochondria with respect to shape, size, number and ultrastructure.				
	b)	Define telomeres.	2			
•	a)	ttempt any two. Describe the ultrastructure of Nucleus. Give the chemical composition of cell wall. Describe the structural organization of chromosome.				
•		Attempt any two of the followings. i) Give few important functions of Golgi Complex. ii) What are Lysosomes? Give its types. iii) Enlist the stages of meiosis.				
		Attempt any four of the followings. i) What is secondary cell wall? ii) What is amitosis? iii) Give the chemical composition of cell membrane. iv) Define Heterochromatin. v) Enlist various types of plastids. vi) Describe the structure of Rough Endoplasmic Reticulum.	8			
		j) Telocentric chromosomes generally looks like shaped. i) J iii) V iii) i iv) L				
		i) Thyllakoids are saclike bodies found in i) Chloroplasts ii) Leucoplasts iii) Chromoplasts iv) All of these				
		h) Which cell division take place in somatic cells? i) Meiosis iii) Binary fusion iv) None of these				
		g) Golgi apparatus was first time observed by i) K. R. Porter ii) Camillo Golgi iii) Robertson iv) George Palade				