M.Sc.(Botany) (CBCS Pattern) Sem-II **PSCBOTT07 - Paper-VII : Cell and Molecular Biology-I**

	Pages: 1 ne: Three Ho	ours * 0 4 7 3 * Max. Max. Max. Max. Max. Max. Max. Max.	
	Notes: 1	1 2 2 1	
1.	Desc	cribe in detail the structure function & biogenesis of cell wall.	16
		OR	
	Writ a) b)	te notes on: Ion carrier membrane transport. Compare the movement of molecules through plasmodesmata & gap junction.	8
2.		cribe the structure of microtubules & microfilament? Explain mechanism of moment of microtubules during cell division.	tor 16
		OR	
	Writ a) b)	e notes on: Structure & function of golgi complex Structure & function of endoplasmic reticulum	8
3.	Wha	at is DNA? Explain structure of A, B, Z forms of DNA.	16
		OR	
	a)	e notes on: Ultrastra of Nucleus & nuclear pore DNA damage & repair mechanism	8
4.	Wha	at is plant stress? Describe in detail the Biotic stress and Abiotic stress OR	16
	Writ a) b)	the notes on HR and SAR Active defence mechanism in plants	8
5.	Writ	e short notes on-	
	a)	Aquaporins	4
		Lysosomes	4
	ŕ	Nucleolus	4
	d)	PR protein and R-genes	4
