M.Sc.(Botany) (CBCS Pattern) Sem-III Course Code PSCBOTT10 - Paper-X : Cell and Molecular Biology-II

P. Pages Time:	s: 1 Γhree Hours	* 1 9 7 6 *	GUG/W/22/11242 Max. Marks : 80
No	otes: 1.	All questions are compulsory and carry equal marks. Draw well labelled diagram whenever necessary.	
1.	Write in	detail about transcription in prokaryotic and eukaryotic cell.	16
		OR	
	Write no	otes on: ant promoters.	8
		ucture and role of tRNA.	8
2.	Write in	detail about regulation of gene expression in prokaryotes And euk	caryotes. 16
		OR	
	Write no		o
		otein targeting to plastids. ne structure of gene.	8
	U) FIII	le structure or gene.	σ
3.	Write in	detail about genetic markers and construction of Genetic map.	16
	***	OR	
	Write no a) Ch	romosomal mapping.	8
		ansformation.	8
	,		
4.		detail about control mechanism of cell cycle, add write note on Rollin dependent kinase.	ole of cyclin 16
		OR	
	Write no a) Pro	otes on: ogrammed cell death.	8
	b) GIS		8
	<i>0)</i> GI	311	0
5.	Write sh	nort notes on:	
		RNA transport	4
	,	VA splicing	4
	,	netic markers	4
	d) Cal	lcium calmodulin cascades	4
