M.Sc. (Botany) (CBCS Pattern) Sem-I PSCBOTT04 - Paper-IV : Cytology & Genetics

	ges : 1 : Three	Но		7/22/11153 Marks: 80
	Notes :	1.	1 1 7 7 1	
1.	Give a detail account on multiple allele and isoalleles.			16
	a	.)	OR Immunoglobulin genes.	8
	b	,	Pleiotropic genes.	8
2.	V	Vrite	e on molecular organization of centromere and telomere. OR	16
	a)	Packaging of DNA.	8
	b)	Define and explain karyotype and its importance.	8
3.	V	Vrite	e in detail on structural changes in chromosomes and its significance in evolution OR	n. 16
	a)	Polyploidy and its commercial importance.	8
	b)	Aneuploidy in plants.	8
4.	Е	Expl	ain transposable genetic elements. Add a note on its importance in evolution. OR	16
	a)	Lamarckism.	8
	b)	DNA Methylation.	8
5.	Write sl		e short notes on:	
	a)	Penetrance and expressivity.	4
	b)	C-Value paradox.	4
	c)	Translocation tester sets.	4
	d	.)	Site directed mutagenesis.	4
