M.Sc.(Botany) Fourth Semester Old

BOT-14-Paper-XIV: Plant Resource Utilization, Bioethics, Biosafety, Plant Breeding & Biostatistics

P. Pages: Time: Thr		* 1 8 4 9 *	GUG/W/18/2359 Max. Marks : 80
Note	-	are compulsory and carry equal marks. belled diagrams wherever necessary.	
1.	Give an account of ori	gin, evolution and uses of Food Crop (rice).	16
		OR	
	a) Fodder and Forag	ge plants.	8
	b) Medicinal and A	romatic Plants.	8
2.	What is sampling? Wr	rite about sampling procedure and homogenization	of samples. 16
		OR	
	Write on:		
	a) Coefficient of var		8
	b) Chi-square test a	nd its application.	8
3.	Describe methods of b	preeding sexually and vegetatively propagated crop	os. 16
		OR	
	Write on:-		
	•	equilibrium and its deviation.	8
	b) Professional ethic	cs and ethical decision making.	8
4.	Describe Biosafety regin institutions and indu	gulations in the handling of recombinant DNA procustries.	esses and products 16
		OR	
	Write on:		
	•	ment procedure in India and abroad.	8
	b) The GM-Food de	ebate and biosafety assessment procedures for bioto-	ech foods. 8
5.	Write short notes on:-		
	a) Petro crops.		4
	b) Frequency distrib	oution.	4
	c) Heterosis.		4
	d) Transgenic food	crops.	4
