T.Y.B.SC. SEM – V (CBCS - 2016 Course): SUMMER - 2019 SUBJECT: BOTANY: GENETICS AND BIOSTATISTICS

Day: Date:	Thursday 02/05/2019		Time: 11.00 A.M. To 02.00 P.M. S-2019-0872 Max. Marks: 60		
N.B:	1) 2) 3)	Figures to the right indicate FULL marks.			
Q.1	a)		TWO of the following: ble alleles in plants (self- incomp	(12) ratibility).	
	b)	Give character	s of multiple alleles.		
	c)	Explain descri	ptive statistics.		
Q.2	- \	Attempt ANY TWO of the following:		(12)	
	a)				
	b)	•			
	c)	•	rence and Co-efficient of coincide	dence.	
Q.3	a)	Attempt ANY TWO of the following:) Describe coupling and repulsion phases.		(12)	
	b)				
	c)				
Q.4	a)	•	THREE of the following: s in structural heterozygotes.	(12)	
	b)	Describe centra	al value and desperation in biost	atistics.	
	c)	Explain sponta	neous mutations.		
	d)	Give concept of	of standard error.		
Q.5	a)	Attempt ANY Describe induc	FOUR of the following: ed mutations.	(12)	
	b)	What is Back cross and Test cross in plants.			
	c)	Give the concept of monohybrid ratio and dihybrid ratio.			
	d)	Explain deletion and inversions change in chromosome structure.			
	e)	Give concept of	of quantitative traits in genetics.		

* * * * *