Paper / Subject Code: 24141 / Botany: Paper I - Plant Diversity - III . (Rev.)

Time: 2½			Marks : 75	
	N.B.	1. All question are compulsory.		
		2. Draw neat labelled diagram wherever necessary.		
		3. All questions carry equal marks.	08000	
Q.1	Attempt any two of the following		15	
a	Give an account of post fertilization changes in the life cycle of <i>Batrachospermum</i> .			
b	Describe the sexual reproduction in <i>Polysiphonia</i> .			
c	Describe the asexual reproduction in <i>Vaucheria</i> .			
d	Explain general characters of <i>Bacillariophyta</i> .			
Q.2	Attempt any two of the following			
a	Discuss the section of the gill in <i>Agaricus</i> . Add a note on the systematic position.			
b	Describe the stages of life cycle of <i>Puccinia</i> in the secondary host.			
c	Give a detailed account on the classification of basidiomycetes fungi up to orders.			
d	Give a detailed account of the sporulating structures in Deuteromycetes.			
Q.3	Attempt any two of the following		15	
a	Describe in de Jowar.	etail the symptoms, casual organism & disease cycle of loose smut of		
b	Explain disea	se cycle of tikka disease of groundnut.		
c	Describe in deground nut.	etail symptoms, casual organisms & control measures of tikka disease	s of	
d	Describe the	symptoms, casual organism & disease cycle of Damping off disease.		
Q.4	Attempt any t	two of the following	15	
a s	Give general	characters of algae & fungi.		
b	Write a detail	ed note on colony characters exhibited by bacteria.		
CON	Enumerate &	explain steps involved in commercial production of antibiotics.		
do	What is pure	culture? Discuss any method of preparation of pure culture.		
Q.5	Attempt any t	three	15	
a	Systematic po	osition of Vaucheria.		
b	Clamp connec	ctions.		
Co	Conidia of Al	ternaria.		
\mathbf{d}	Control measures of Damping off disease.			
e	Acid fast stair	ning.		
\mathbf{f}	Streak plate n	nethod.		
A Y	13 6 B 6 B	*******		

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