This question	on paper contains 4 printed pag	ges}		
		Your Roll No		
218				
	B.Sc. Prog./H	C		
LS (26) BIODIVERSITY 1 PLANTS				
	(Admissions of 2008 and	onwards)		
Time : 3 Hours		Maximum Marks : 75		
Morte over the South of any the community the second of the south of page 1.				
	Attempt any Time que	stions.		
	## questions carry equal	.narks.		
47/- 1	parts of a question must be a	ittempted together.		
L. Define the following terms with one example in				
each : 15·1		15/1/45		
(7)	Organotrophs			
(<i>u</i>)	Heterocyst			
(iii)	Gongrosira stage			
(<i>i</i> v)	Fairy rings			
(v)	Capsid	P.T.O.		

	(vi)	Diploxylic
	(vii)	Endothecium
	(vaii)	Anemophily
	(ix)	Antheridiophore
	(x)	Peristomial teeth
	(x1)	Coenosorus
	(xii)	Dwarf male
	(xiti)	Coralloid root
	(xiv)	Chemotaxonomy
	(xv)	Resurrection plant.
2.	Diffe	rentiate between any five of the following: 5×3=15
	(<i>i</i>)	Archaea and eubacteria
	(ii)	Lytic and lysogeny
	(iii)	Ascus and basidium
	(iv)	True and false indusium
	(v)	Gametophytic and sporophytic self-incompatibility

3.

4.

Nuclear and cellular endosperm (vii) Monocot and dicot plants. Write short notes on any five of the following: 5:3-15 Transformation (i) (ii)Structure of TMV Post-fertilization changes in Polysiphonia (iii)Male sterility (n)Three domain classification (v)Modern trends in plant taxonomy. (vi)Draw well labelled diagrams of any five of the following . 5-3-15 Structure of a typical bacterial cell (1) V.S. of Fucus male conceptacle (u)V.S. of Marchantia thallus passing through gemma cup (uu)L.S. of Selagine da strobilus (ΔT) T.S. of Cycas caffer (V)

(vi) T.S. of mature (curasporangiate anther

5.	(<i>i</i>)	Discuss various modes of asexual reproduction in
		Rhizopies. 5
	(<i>ii</i>)	Briefly comment on the spore dispersal mechanism in
		Pteris. 5
	(iii)	Describe the Bentham and Hooker's system o
		classification. 5
6.	Desc	ribe the following (any three): 3×5=15
	(i)	Methods of culture
	(<i>ii</i>)	Six kingdom classification
	(iii)	Fungal diseases of plants
	(iv)	Pollen-pistil interaction.
7.	(<i>i</i>)	With the help of suitable diagrams describe the life cycle
		of macrandous dioecious species of Oedogonium. 8
	(ii)	Give an account of various types of lichen and their
		ecological importance.