(i)	Printed	Pages: 3			Roll No	)					
(ii)	Questio	ns : 9			. Cod		0	0	5	2	
			E	xam	. Cod	e :	0	0	0	1	
			7.1	2							
B.A./B.Sc. (General) 1st Semester											
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3			ВО	TAN	Y						
Paper-A: Plant Diversity-I											
		×									
		l: Three					num	Mai	rks:	36	
Note	:-(1)	Attempt	five qu	estion	s in all.						
	(2)	Question	No. 1	is cor	npulsor	y.					
	(3)	Attempt	four m	nore q	uestions	, sel	ectin	ig on	ie fr	om	
	100	each uni									
	(4)	Draw dia	igrams	where	ever nec	essar	y.				
1.	(A) Fill	in the bla	nks :								
	(i)	The filan	nent of	Oscil	latoria	is cal	lled				
	(ii)	The rese	rve food	d mate	erial in	Dicty	vota	is _			
i wali	(iii)	i	s a unio	cellula	ar ascon	nycet	e.				
	(iv)	Multinuc	leate ga	ametes	s in Rhi	izopu	s ar	e kn	own	as	
	(v)	The plan	t body	of Va	olvox is	mul	ticel	lular	mo	tile	
		colony ca	alled as						10		
	(vi)	Alternate	host	of P	uccinia	gra	mini	is tr	itici	is	
		distribute.							6×1	=6	

(b) Multiple choice questions:	UNII—I
(i) Gongrosira stage is found in :  (a) Oscillatoria (b) Cladophora	2. With the help of suitable diagrams describe the sexual reproduction in <i>Vaucheria</i> .
(c) Vaucheria (d) Volvox	3. Write notes on:
(ii) Chloroplasts are reticulate in :	(a) Thallus structure of Volvox
(a) Vaucheria (b) Dictyota	(b) Cell structure of Bacteria. 3,3
(c) Volvox (d) Cladophora	UNIT—II
(iii) Wart-like swellings on the upper surface of lichen thallus are :	4. Briefly discuss the economic importance of algae as food and in industry.
(a) Cephalodia (b) Cyphellae	5. Describe the following:
(c) Soredia (d) Isidia	(a) Post fertilization changes in Batrachospermum
(iv) Colletotrichum falcatum causes :	(b) Asexual reproduction in Dictyota. 3,3
(a) Red rot of sugarcane	UNIT—III
(b) Loose smut of wheat	6. Give an account of the causal organism, symptoms and disease cycle of white rust of crucifers.
(c) Black rust of wheat	7. (a) Explain thallus of Rhizopus.
(d) White rust of crucifers  (v) Glomerule occurs in :  (a) Dictyota	(b) Give a diagrammatic sketch to illustrate the life cycle of Saccharomyces cerevisiae. 3,3
	UNIT—IV
(b) Vaucheria	8. Describe the life cycle of <i>Puccinia graminis tritici</i> on wheat.
(c) Batracospermum	6 White pater on the first of t
(d) Volvox	9. Write notes on any two of the following:
(vi) In Oscillatoria reproduction occurs by:	(a) Acervulus of Colletotrichum
(a) Conjugation (b) Budding	(b) Basidiocarp of Agaricus
(c) Hormogones (d) Sporulation 6×1=6	(c) Symptoms of loose smut of wheat. 3,3
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