V.P. &R.P.T.P.SCIENC COLLEGE T.Y.B.Sc. BOTANY US05CBOT01



(Algae, Bryophyta, Pteridophya and Gymnosperms)

Date-29/09/2018 Saturday

Time-10.00a.m.-12.00 noon Marks-50

Q-1 Multiple Choice C	Questions.		. 4	(08)
(1)Filaments are unbr	anched			
(a)Oedogonium	(b)Zygnema	(c)Spirogyra	(d)all the above	
(2)Red rust of tea is ca	aused by:			
(a)a green alga	(b)a fungus	(c)a bacterium	(d)all the above	
(3)A bryophyte differs	from pteridophytes	in:		
(a)archegonia		(b)lack of vascular tissues		
(c)flagellated antherozoids		(d)independent gametophyte		
(4) Gametophyte generation in bryophyte starts with spore and ends in the				
(a)gametes	(b)thallus	(c)zygote	(d)spore mother cell	
(5) If all the spores are of same size and shape, the plant is said to be:				
(a)aposporus		· · · · · · · · · · · · · · · · · · ·	(d)none of the above	
(6)The elementary pro				
(a)curvation		-	(d) all the above	
(7)Largest ovules, tree				
(a)angiosperms		(c)gymnosperms		
(8)Which of the follow	. ,	, , , , ,		
(a)Zamia	(b)Ephedra		Cycas	
		, ,		
Q-2Attempt following questions (any five).				(10)
(i)What are the variou				, , ,
(ii)List the main classe				
(iii)Name the types of	-		rvophytes.	
(iv)Briefly mention the			, , , , , , , , , , , , , , , , , , , ,	
(v)Describe briefly the				
(vi)How can you differ			acultative apogamy?	
(vii)Write the econom			acantative apoba,	
(viii)List the similaritie				



Q-3Write a detailed account of the evolution of sex in algae.	(08)		
OR			
Q-3Give an illustrated account of alternation of generation in algae which studied by you	. (08)		
Q-4Write note on: Ecology of bryophytes.	(08)		
OR	(00)		
	(00)		
Q-4Write about: Economic importance of bryophytes.	(08)		
Q-5(a) Write in detail the origin of sporophylls in Lycopsida and Pteropsida in terms of			
telome theory.	(04)		
(b)Describe asexual reproduction in <i>Dryopteris</i> .	(04)		
OR			
Q-5 Describe apomixis.	(08)		
Q 5 Describe aportinas.	(00)		
	(08)		
Q-6 Describe morphology of vegetative organs in Gymnosperms.			
OR			
Q-6Write notes on: (a) Fertilization in Gymnosperms.	(05)		
(b)Economic importance of <i>Pinus</i> .	(03)		
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