(i)	P	rinte	d Pag	ges:3	1000	Roll	No				•••••
(ii)	Q	uesti	ons	:9	Sul	b. Co	ode:	0	3	5	4
					Exan	a. Co	de:	0	0	0	4
			B.	A./B.Sc.	(General) 4th S	emeste				
					(2042)	, , ,	cinesie				
					BOTAN	Y					
	Pa	per–	-B: S	Structure	Develop	nent &	& Repr	oduc	tion	in	
					wering Pla						
Tim	e All	lowe	d : Tl	ree Hou	rs]		[Maxir	num	Mai	rks :	36
Note	e :	- Att	empt	five quest	tions in all.	Ques	tion No	. 1 is	com	pulso	orv.
					e question				100		
		Dra	w we	ell labeled	diagrams	where	ever nec	essa	ry.		
1.	(a)	Mu	ltiple	choice qu	estions:			4			
		(i)	Нус	dathodes	are respon	sible f	for:				
aut d		, live	(a)	Capturir	ng insects	(b)	Produ	cing	wax		
			(c)	Exudati	on of wate	r (d)	Secret	tion o	of mu	cilag	ge
		(ii)	Ban	ana can l	pe propaga	ated b	y:				
			(a)	Bulbs		(b)	Sucke	rs			
			(c)	Leaves		(d)	Corms	S			
		(iii)	Poll	enkit is p	len wall	of:					
			(a)	Anemop	hilous flov	vers					
			(b)	Entomor	philous flov	vers					
			(c)	Zoophilo	ous flowers						
		ur T	(d)	Malacop	hilous flov	vers					

(11)	Truit is a:
	(a) Post fertilization product of pistil
	(b) Product of flower
	(c) Body having seeds
	(d) Product of ovary
(v)	Dendrochronology is the study of:
	(a) Height of tree
	(b) Diameter of tree
((c) Counting the number of branches
(d) Age of tree with the help of annual ring
(vi) I	Phellem, Phellogen and Phelloderm are together called:
(a) Cork (b) Cork Cambium
(c) Vascular bundles (d) Periderm
(b) Fill in	the blanks:
(i)is	is uniparental sexual reproduction in which embryo formed from unfertilized egg.
(ii) P	ollination by bats is called
(iii) _ bı	tissues help in air circulation and also provide aoyancy to plants e.g. Hydrilla.
(iv) Ti	he innermost hard covering of the seed is the
	ascular Bundles are scattered in
	em cuttings are sometimes treated with for oper root development. $1 \times 12 = 12$

UNIT-I

		UNII-I							
2	(a)	Differentiate between dicot stem and monocot ste	m.						
	(b)								
			3+3						
3.	(a)	Briefly discuss the components of phloem.							
	(b)	Diagrammatically explain the primary structure of stem.	monocot						
			3+3						
		UNIT-II							
4.	Disc	cuss the anomalous stem structure in Boerhaavia.	6						
5.	Give	a detailed account of artificial methods of vegation.	getative						
	Prope		6						
		UNIT-III							
6.	Disc	uss the characteristics of entomophilous flower							
7.			6						
	disady	Explain self-pollination in detail. Give its advantage disadvantages.							
			6						
		UNIT-IV							
8.	Expla	in the development of endosperm.	6						
9.	Give	a detailed account of factors responsible for develo							
	of fruits.								