(i)	Printed Pag	es: 4	Roll No	•••••				
(ii)	Questions	:9	-Sub. Code:	0	3	5	4	
A AND AND AND AND AND AND AND AND AND AN		in the same	Evam Code ·	0	0	0	4	

B.A./B.Sc. (General) 4th Semester 1048

BOTANY

Paper: B Structure Development and Reproduction in Flowering Plants—II

Time All	owed	d: Three Hours] [Maximum Marks: 36
Note :-	(1)	Attempt five questions in all.
	(2)	Question No. 1 is compulsory.
	(3)	Attempt four more questions selecting one from each unit.
	(4)	Draw well labelled diagrams wherever necessary.
1. (A)	Fill	in the blanks:
i sanghar		The rooted portion of a plant used in grafting is called
	(ii)	Parenchyma cells with well developed air spaces are called
	(iii)	In stem of anomalous medullary bundles are
	G.	arranged in definite rings with definite number of
		bundles in each ring.
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	(iv)	endosperm is the most common type of	ì
	94	endosperm in angiosperms.	
	(v)	In monocot stem the vascular bundles are conjoin	t,
		collateral, endarch and	
	(vi)	Branched star shaped sclereids are called	
		6×1=6	5
(B)	Mul	tiple choice questions:	
	(i) '	Vascular bundle having the phloem strands on bot	h
		outer and inner side of xylem is called:	
		(a) Bicollateral	
		(b) Collateral	
		(c) Concentric	
		(d) None of these	
	(ii)	Histogen theory was given by:	
		(a) Nageli	
		(b) Hainstein	
		(c) Schmidt	
		(d) Popham	
	(iii)	Mechanical barrier to prevent self pollination and	d
	Na h	promote cross pollination is:	
		(a) Heterostyly	
		(b) Dicliny	
		(c) Herkogamy	
		(d) Dichogamy	
	200		

-					
	(iv)	Spe	cial type of fleshy buds in aquati	c plants	for
	er yen ad	vege	etative propagation are called:) Hay W	
d		(a)	Turions	unchite !	
		(b)	Bulbils	Esplai	
		(c)	Runners		
124		(d)	Suckers and applications if we	no feet	
10	(v)	Disp	persal of seeds through water is ca	lled:	
10.2	, beigli	(a)	Zoochory with the same at	ted W	7
20-		(b)	Hydrochory 25 Moli and Ida	ontone	
		(c)	Autochory		
		(d)	Anemochory		
	(vi)	Salv	ia showing Lever mechanism is usual	lly pollina	ted
		by:	and the second second	9., (6)	
		(a)	Bats have to supplifying	2 (4)	
mail	Later I	(b)	Birds Annual Control of the Control	idgail	
		(c)	Insects	inale	
		(d)	Water	6×1=	=6
			UNIT—I		
2.	Describe	the s	structure and function of phloem.		6
3.	Write sho	ort no	otes on :		
	(a) Perio	derm			
	(b) Tuni	ica C	orpus Theory.	3	,3
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UNIT-II

4.	With the help of suitable diagram, describe the anomalous
	structure of Nyctanthes stem.
5.	Explain briefly about micropropagation.

UNIT—III

- 6. Define self pollination and its types. Give advantages and disadvantages of self pollination.6
- 7. What is meant by Anemophily? Give the characters of anemophilous flowers.

UNIT-IV

- 8. Write notes on the following:
 - (a) Parthenocarpy
 - (b) Significance of seed.

3,3

Explain the process of embryo development in a typical dicot
plant.