(i) P	rinted	l Page	es: 3	Roll No	••••••			
(ii) Q	uestic	ons	: 9	Sub. Co		0 3 5 4		
				Exam. Co	ode:	0 0 0 4		
B.A./B.Sc. (General) 4th Semester								
(2054)								
BOTANY								
Paper -B: Structure Development and Reproduction in								
Flowering Plants-II								
				8				
Time Al	lowed	l:Th	rce Hou	ırs]	[Maxi	mum Marks : 36		
Note :-	and	ı atter	npt four	stions in all, Que r more questions Draw Diagrams v	s, select	o. I is compulsory ting one question or necessary.		
I. (A)	Fill	in the	blanks			y - .		
	(i)	wnie	ch helps	oloured functions in the conductions called	n of wa	f secondary xylem ter and dissolved		
	(ii)	In st in de ring.	em of finite rin	, the medull ags with definite n	ary bun umber	dles are arranged of bundles in each		
	(iii)	Mec and j	hanical d promote	levice in flowers t cross pollinatio	to preve n is call	nt self-pollination led		
	(iv)	endo	sperm ir	endosperm is the angiosperms.	ne most	common type of 4×1=4		

(B)	Multiple choice questions:										
	(i)	Tunica Corpus theory of shoot apex was proposed b									
		(a)	Hanstein	(b)	Schmidt						
		(c)	Popham and Chan	(d)	Newman						
	(ii)		vegetative propagation mode long runner known								
		(a)	Offset	(b)	Turions						
		(c)	Stolon	(d)	Bulbils						
	(iii)		Maturation of anthers earlier than stigma of flower to prevent self-pollination is:								
		(a)	Homogamy	(b)	Protogyny						
		(c)	Protandry	(d)	Prepotency						
	(iv)		achute like pappus i dification of persister		its for seed dispersal are						
		(a)	Style	(b)	Stigma						
		(c)	Sepal	(d)	Petal $4 \times 1 = 4$						
			UNIT-	I							
Diff	ferent	tiate l	between dicot root a	nd m	onocot root. Support you						

П. answer with diagrams. III. Discuss in brief the various secretory/special tissues in plants. 7

UNIT—II

- IV. Explain the anomalous stem structure in *Dracaena* with diagrams.
- V. What is vegetative propagation? Explain briefly about layering and its types.

UNIT—III

- VI. Describe the advantages and disadvantages of self and cross pollination.
- VII. (a) Define entomophily. Discuss the characters of entomophilous flowers.
 - (b) Discuss in brief Autogamy with examples. 4,3

UNIT-IV

VIII. Write notes on any two of the following:

- (a) Parthenocarpy
- (b) Zoochory
- (c) Significance of seed.

IX. What is meant by suspended animation? Explain its various causes and methods of breaking it.7

 $3.5 \times 2 = 7$