(i) Printe	ed Pages: 4	Roll No.
(ii) Quest	ions :9	Sub. Code: 0 2 5 1
		Exam. Code: 0 0 3
	B.A./ B.Sc	c. (General) 3 <sup>rd</sup> Semester
		1125
		BOTANY
Paper–	B : Structure Flo	Development and Reproduction in owering Plants–I
	d: Three Hou	1
more onecess	questions selecti	s in all. Q. No. 1 is compulsory. Attempt four ng one from each unit. Draw diagrams where
l. (A) Fill	in the blanks:	
(i)	The Plants w	hich bear fruits once in a life time are called
(ii)	The flattened g	green, foliaceous petiole carrying out functions cnown as
(iii)	Turnip resemb	oles sugarbeet in having roots.
(iv)		up of a highly resistant fatty substance called
(v)	The point of att	tachment of body of ovule with the funiculus
(vi)	The mode of a and its branche	arrangement of mature leaves on the stem es is called $6 \times 1 = 6$
51/RH L-326		

## (B) Multiple Choice Questions:

- (i) The unbranched trunk with crown of leaves at the apex is called:
  - (a) Caudex
  - (b) Excurrent
  - (c) Deliquiscent
  - (d) None of these
- (ii) In Nepenthes (Pitcher Plant), the pitcher is modified:
  - (a) Leaf Stalk
  - (b) Leaf Base
  - (c) Leaf Lamina
  - (d) LeafApex.
- (iii) Fasiculated roots are found in:
  - (a) Dalhia
  - (b) Raphanus Sativus
  - (c) Brassica rapa
  - (d) Ipomea batatas
- (iv) The normal Polygonum type of embryo sac is:
  - (a) 8 nucleate, 8 celled
  - (b) 8 nucleate, 7 celled
  - (c) 7 nucleate, 7 celled
  - (d) 7 nucleate, 8 celled

	(v)				il comanis 4x ii	unioci oi
		chro	mosomes, its	endosperm v	vill have:	A A
		(a)	4x			
		(b)	6x			
		(c)	8x			
		(d)	12x			
	(vi)	Opp	osite decussa	nte leaves are	found in:	
		(a)	Calotropis		er professional	
		(b)	Nerium			1.
		(c)	Alstonia			
		(d)	Quisqualis			6×1=6
				NIT-I		
2.	With the roots for			xplain the a	natomical modi	ification in 6
3.	Explain	the div	versity in plan	nts on the bas	sis of their longe	vity. 6
			U	NIT-II		
4.	Give an a suitabl		nt of internal		a dicot leaf with	the help of 6
5.	Write br	rief not	tes on any <b>tw</b>	o of the follo	owing:	
	(a) St	em Tei	ndril			
	(b) Ph	yllocla	ade			
		em tho	orn			3+3=6
025	31/BHJ-3	2667		3		Turn Over

2.

3.

4.

5.

## UNIT-III

6.	Discuss the statement-Flower is a modified shoot.	6
7.	Discuss the development of male gametophyte in angiosp	erms.
		6
	UNIT-IV	
8.	Discuss the different types of ovules in angiosperms.	6
9.	Describe double fertilization and its significance in an angiosp	ermic

plant.

6