(i)	Printed Pag	ges : 4	Roll No.	•••••
(ii)	Questions	: 9	Sub. Code	: 0 3 5 3
			Exam. Code	: 0 0 0 4
	В.	A./B.Sc. (0	General) 4th Semo	ester
			(2053)	
		1	BOTANY	
Pap	er : A Diver	sity of Sec	d Plants and the	eir Systematics-II
Tim	e Allowed:	Three Ho	urs] [Maxi	mum Marks : 36
Not			e questions in all, s Jnit-I, II, III and I	selecting one question V.
	(2)	Question N	lo. 1 is compulsor	ry.
	(3)	Draw diagra	ams where necessa	ary.
1.	(A) Multiple	choice que	stions. Pick up the	correct choice:
	(i) In E wer	Bentham and re divided in	Hooker's classification to how many series	ion, Monocotyledons es ?
	(a)	5	(b)	7
	(c)	9	(d)	i1-
	(ii) Spir	rocyclic flow	ers are found in whi	ch of the following?
	(a)	Citrus	(b)	Ocimum
	(c)	Ranuncul	us (d)	Lathyrus
, ,				

٠.	(iii) Goose Foot Family is the common name of which of the following family?								
	5 2	(a)	Solanaceae		(b)	Liliaceae	· K		
		(c)	Asclepiadace	eae	(d)	Chenopodia	iceae		
	(iv) Didynamous condition of stamens are found in w the following plant?								
		(a)	Ocimum	gir pag	(b)	Brassica			
		(c)	Hibiscus	123	(d)	Solanum			
(B)	Fill	in th	e blanks :		*		**		
	(v) The specimen selected from original material by any worker to serve as nomenclature type is known as								
	 (vi) type of inflorescence is found in Ocimum. (vii) In Bentham and Hooker's classification, in Polypetalae, between Thalamiflorae and Calcyflorae which series is placed 								
	(viii) The mode of arrangement of accessory floral parts in								
		rela	tion to one a	nother in	a flor	7	own <8=8		
			UN	т—т					
(a)	Disc	cuss a	ims and objec	tives of pla	nt taxo	onomy.			
(b)	Give a brief account of Bentham and Hooker's system of classification. 3,4								

2.

- 3. Write notes on:
 - (a) General characters of Angiosperm.
 - (b) Merits and demerits of Bentham and Hooker's system of classification.

 3,4

UNIT-II

- 4. (a) Write floral formula of Delphinium and Asphodelus.
 - (b) What do you mean by placentation? Discuss various types of placentations. 3,4
- 5. (a) Compare Androecium of Ranunculus and Brassica.
 - (b) Give an account of *Triticum*. Also write down the diagnostic features of the family it belongs to.

 3.4

UNIT-III

- 6. (a) Write down the diagnostic features of family Malvaceae.
 - (b) Discuss Gynoecium of Coriandrum and Androecium of Acacia.
 3,4
- 7. (a) Compare the Androecium of Citrus and Cassia.
 - (b) Write floral formula and draw floral diagram of Lathyrus and Murraya.
 3,4

	T\ :	
8.	Discuss	٠

- (a) Diagnostic features of family Lamiaceae.
- (b) Androecium and Gynoecium of Solanum. 3,4
- 9. (a) Write down the diagnostic features of family Asclepiadaceae.
 - (b) Draw floral diagram and write floral formula of *Petunia* and *Ageratum*.

 3,4