(i) Pri	nted	Pages: 3 Roll No
(ii) Qu		Exam. Code: 1 7 3 5 3 Exam. Code: 0 0 4
eno gara	SULV.	B.A./B.Sc. (General) 4th Semester (2055) BOTANY
Paper–A	: D	versity of Seed Plants and their Systematics-II
Time All	lowe	d: Three Hours] [Maximum Marks: 36
Note :-	(1)	Attempt FIVE questions in all, selecting ONE question each from Units I, II, III, IV.
	(2)	Q. No. 1 is compulsory.
	(3)	Draw diagrams wherever necessary.
1. (A)	Mul	tiple choice questions. Pick up the correct choice :
	(i)	According to Bentham and Hooker's classification which is not a series of Gamopetalae ?
w ,		(a) Thalamiflorae (b) Bicarpellatae
to puri	- 1	(c) Heteromerae (d) Inferae
	(ii)	It is the specimen which is donated by workers where no holotype is assigned already or holotype is destroyed:
		(a) Syntype (b) Holotype
1.	**************************************	(c) Topotype (d) Lectotype

		(iii) Corolla is gland dotted in the flower of	111			
		(a) Ranunculus (b) Citrus				
		(c) Acacia (d) Solanur	n			
		(iv) Trimerous flowers occur in:				
		(a) Asparagus (b) Lathyru	ıs			
		(c) Hibiscus (d) Chenop	oodium			
1	(B)	Fill in the blanks:				
		(v) A flower with bilateral symmetry is know	m as			
		(vi) is meant for secreting and storing	ng nectar in			
		Calotropis.				
		(vii) is considered as the second large	est of all the			
		families of flowering plants.				
		(viii)Out of the four stamens in a flower, two	are long and			
		two are short, the condition is known				
			1×8=8			
		UNIT—I				
2.	(a)	Write a note on of Bentham and Hooker	s system of			
		classification. Also discuss its merits and o	lemerits.			
	(b)	Define the terms Holotype and Paratype. 5,2				
3.	Disc	cuss:				
	(a)	Aims and objectives of Plant Taxonomy	,			
	(b)	Taxonomic ranks.	4,3			
			- 10 m			

UNIT-II

- (a) Give an account of the flower of Ranunculus. Also write floral formula and draw floral diagram.
 - (b) Compare Androecium of Brassica and Asparagus. 4,3
- 5. (a) Write floral formula and draw floral diagram of *Triticum* and *Delphinium*.
 - (b) Discuss the following terms:Acyclic flower, Diplostemonous, Gynandrous. 4,3

UNIT-III

- 6. (a) Describe the flower of *Lathyrus*. Also write floral formula and draw floral diagram.
 - (b) Compare Androecium of Amaltas and Dhania. 4,3
- 7. (a) Write floral formula and draw floral diagram of Citrus and Acacia.
 - (b) Discuss the Diagnostic features of Cotton family. 4,3

UNIT-IV

- 8. Give an account of:
 - (a) Flower of *Calotropis* along with floral formula and floral diagram.
 - (b) Diagnostic features of Lamiaceae Family. 4,3
- 9. (a) Write the floral formula and draw floral diagram of Solanum and Ageratum.
 - (b) Discuss the terms with example :Gynostegium, Gynobasic style and Antiphyllous. 4,3