

Name. _____		Printed Pages:01		
Student Admn. No.: _____				
School of Biological and Life Sciences Summer Term Examination – July - August 2024 [Programme:ZBC] [Semester:III][Batch:Summer 2024]				
Course Title: Flowering Plants Identification & Aesthetic Characteristics			Max Marks: 100	
Course Code: B040301T			Time:3 Hrs.	
Instructions:	1. All questions are compulsory. 2. Assume missing data suitably, if any.			
		K Level	COs	Marks
SECTION-A (15 Marks) 5 Marks each				
1.	Define plant taxonomy and explain its importance in the study of flowering plants.	K2	CO1	5
2.	Compare and contrast the artificial and natural systems of classification. Provide examples of each	K2	CO2	5
3.	Describe the main characteristics used to identify members of the Rosaceae family.	K2	CO3	5
SECTION-B(40 Marks) 10 Marks each				
4.	Discuss the significance of herbarium collections in plant taxonomy and classification.	K3	CO3	10
5.	Evaluate the role of molecular techniques in modern plant taxonomy. How do these techniques complement traditional methods?	K3	CO4	10
6.	Explain how to set up a small-scale nursery for flowering plants. Discuss the steps and considerations involved.	K4	CO5	10
7.	Analyze the aesthetic principles that should be considered when designing a botanical garden. How do these principles enhance the visual appeal and educational value of the garden?	K4	CO5	10
SECTION-C (45 Marks) 15 Marks each				
8.	Create a detailed plan for a landscaping project that includes at least five different flowering plant species. Discuss the selection criteria, layout design, and maintenance requirements.	K4	CO3	15
9.	Critically assess the contributions of Carl Linnaeus to the field of plant taxonomy. How have his principles influenced contemporary classification systems?	K4	CO3	15
10	Examine the current taxonomy of the Asteraceae family. Discuss the identifying characteristics, economic importance, and representative species of this family.	K5	CO4	15