GALGOTIAS UNIVERSITY

ADMISSION NUMBER												

School of Basic Sciences

Bachelor of Science Honours in Chemistry
Semester End Examination - Nov 2023

Duration : 180 Minutes
Max Marks : 100

Sem V - C2UE501T - Plant Systematics

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1)	Explain the difference between plant taxonomy and plant systematics.	K1	(2)
2)	Summarize monophyly and paraphyly.	K2	(4)
3)	State the basic principle of ICBN related to principle of priority.	K2	(6)
4)	How do morphological characters contribute to plant systematics?	K3	(9)
5)	What is systematic evidence, and why is it crucial in plant systematics?	K3	(9)
6)	Elaborate Molecular markers.	K5	(10)
7)	Describe the use of morphological and molecular data in combined analyses for plant phylogenetics.	K4	(12)
8)	Enlist the alignment of sequences.	K5	(15)
9)	Explain the characterstics of gene sequencing.	K5	(15)
10)	Discuss the economic importance of Rosids, including their significance in agriculture and horticulture.	K6	(18)