



Daffodil International University
Department of Agricultural Science
Faculty of Health & Life Sciences
Final Examination, Fall 2025

Course Code:0812-1203

Level and Term:

Time: 2 hours

Course Title: Horticulture-I (Fundamentals of Horticulture)

Section: 253 (A, B &C), 242 (D, E)

Total Marks: 40

Course Teacher Initials: DMM, MHH

"Split answering is strictly prohibited"

			Marks
1	(a) Define horticulture.	CLO1, PLO1, C1	3
	(b) Distinguish the criteria used for classifying horticultural plants with examples.	CLO1, PLO1, C4	5
2	(a) Apply your understanding of heterostyly and dichogamy to analyze causes of unfruitfulness in a flowering plant.	CLO4, PLO5, C3	6
	(b) Discover practical steps to improve fruit set in unfruitful plants.	CLO4, PLO5, C4	2
3	(a) Define fruit drop. Explain the reasons behind fruit drop in plants.	CLO4, PLO5, C2	4
	(b) Choose and prescribe the PGRs with doses to control fruit drop of mango, citrus and litchi	CLO4, PLO5, C3	4
4	(a) Explain rejuvenation and why it is important in horticulture?	CLO4, PLO5, C2	4
	(b) Develop a sketch diagram of step to step activities for rejuvenating old mango orchard.	CLO4, PLO5, C3	4
5	(a) Define and briefly discuss the following terms i) Polyembryony ii) Parthenocarpy iii) Incompatibility	CLO5, PLO3, C1	6
	(b) Discuss the advantages and disadvantages of polyembryony and parthenocarpy in fruit variety development.	CLO5, PLO3, C5	2