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Daffodil International University

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

Course Code:0812-1203 **Course Title:** Horticulture-I (Fundamentals of Horticulture)
Level and Term: **Section: 253 (A, B &C), 242 (D, E)** **Course Teacher Initials: DMM, MHH**
Time: 2 hours **Total Marks: 40**

"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

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