



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

Course Code:0812-1203

Level and Term: 1-1

Time: 2 hours

Course Title: Horticulture-I (Fundamentals of Horticulture)

Section: A, B & C

Total Marks: 40

Course Teacher Initials: DMM

"Split answering is strictly prohibited"

			Marks
1	(a) Define Unfruitfulness.	CLO1, PLO3 C1	3
	(b) Discuss the major reasons for this low fruit set, considering related to the genetical factors.	CLO1, PLO3 C4	5
2	Develop a short note on the purpose of training fruit plants and briefly describe the different training systems commonly used in fruit trees.	CLO3, PLO3 C3	8
3	A fruit grower in your region is experiencing a significant decrease in their mango yield despite having a healthy-looking orchard. The primary concern is the high rate of fruit drop, especially during the early stages of fruit development.	CLO4, PLO4 C1	5
	a) As a horticultural expert, show the potential causes of this fruit drop. Consider both physiological and environmental factors.		
	b) Demonstrate a comprehensive management plan to help the grower control the fruit drop and improve their overall yield.	CLO4, PLO3 C2	3
4	Organize your idea and present shortly on heading back, Thinning out, Abscission process and Paclobutrazol.	CLO3, PLO4 C3	8
5	(a) Explain rejuvenation and why it is important in old plants in an orchard.	CLO4, PLO5 C2	4
	(b) Explain the concepts of polyembryony and incompatibility.	CLO5, PLO3 C4	4