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Daffodil International University

Daffodil International University
Department of Agricultural Science
Faculty of Agricultural Sciences B.Sc. in Agricultural Science
Final Examination – Summer 2026

Course Code: 0811-1101
Level and Term: L1 T1
Time: 2 hours
Section: All
Course Title: Principles of Agronomy
Course Teacher Initials: DRA, SB, SA
Total Marks: 40

Splitting any answer is strictly prohibited

Question Paper

Q. No	Subpart	Question	CLO/PLO	Bloom's Level	Marks
1	a)	Define soil fertility and explain three physical factors affecting it.	CLO1, PLO1	C1, C2	4
	b)	Discuss the importance of water management in crop production with examples from rice and wheat.	CLO1, PLO1	C2	4
2	a)	Differentiate between direct seeding and transplanting methods with suitable crop examples.	CLO2, PLO2	C2	4
	b)	Explain the advantages and disadvantages of broadcasting as a sowing method.	CLO2, PLO2	C2	4
3	a)	Describe the importance of optimum plant population in crop yield.	CLO2, PLO2	C2	4
	b)	Explain how plant spacing and seed rate influence crop yield.	CLO2, PLO2	C2	4
4	a)	Describe the importance of tillage in crop production.	CLO3, PLO2	C2	4
	b)	Explain the role of zero tillage in sustainable agriculture.	CLO3, PLO2	C4	4
5	a)	Classify fertilizers with examples of nitrogenous and phosphatic fertilizers.	CLO4, PLO2	C1	4
	b)	Explain the principles of Integrated Nutrient Management (INM) and its advantages in the Bangladesh context.	CLO4, PLO2	C4	4