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Daffodil International University

Department of Agricultural Science

Faculty of Agricultural Science

Final Examination, Spring 2026

Course Code: 0811-1101
Section: All
Full Marks: 40

Course Title: Agronomy-I (Principles of Agronomy)
Level: 1-Term: 1
Teacher's Initial: MTA
Time: 2 Hours

"Split answering is strictly prohibited"

1.	a)	List down the limitations of crop rotation under Bangladesh conditions.	PLO1 CLO6 C1	3
	b)	Analyze the differences between soil fertility and soil productivity with suitable examples.	PLO2 CLO6 C4	5
2.	a)	Evaluate the characteristics of an ideal tilth and justify their importance for crop production.	PLO4 CLO5 C5	5
	b)	Explain the determinants of ploughing.	PLO4 CLO5 C2	3
3.	a)	Define biofertilizers and integrated nutrient management (INM).	PLO1 CLO5 C1	3
	b)	Illustrate how biofertilizers and integrated nutrient management (INM) improve crop production with suitable examples.	PLO3 CLO5 C3	5
4.	a)	Illustrate the use of seedling raising and transplanting practices in crop establishment.	PLO4 CLO3 C3	5
	b)	Write down the 5 Nitrogenous fertilizer names with their chemical formula and nutrient percentage.	PLO1 CLO6 C2	3
5.	a)	Develop a comprehensive classification of plant nutrients by categorizing macro and micronutrients along with their available forms.	PLO1 CLO6 C6	4
	b)	Compare and analyze the roles and deficiency symptoms of nitrogen and potassium in plant growth.	PLO1 CLO6 C4	4