



**Daffodil International University**  
**Department of Agricultural Science**  
 Faculty of Health and Life Sciences  
**Final Examination Semester: Summer 2025**  
 Course Code: 0811-1101 Course Title: Principles of Agronomy  
 Level & Term: L-1, T-1 Course Teacher: DMH, SB  
 Time: 02 hours Full Marks: 40

Split answering is strictly prohibited

1. a. Describe the factors affecting crop growth. CLO6, PLO3 4  
 b. What is seed quality and why it is important? CLO6, PLO3 4
2. a. Write down the advantages and limitations of different seed sowing methods. CLO4, PLO3 4  
 b. Discuss the criteria for sowing/planting methods. CLO4, PLO3 4
3. a. Mention the advantages and disadvantages of tillage. CLO5, PLO3 4  
 b. What are the prerequisities of tillage? CLO6, PLO3 4
4. a. Differentiate soil fertility and productivity. CLO6, PLO4 4  
 b. What are the criteria of essentiality of a nutrient? CLO6, PLO4 4
5. a. Write down the functions of phosphorus and potassium. CLO5, PLO5 4  
 b. What are the components of integrated nutrient management? CLO5, PLO5 4