



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

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