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Daffodil International University

Department of Agricultural Science
Faculty of Health & Life Sciences

Mid-term Examination, Spring 2026

Course Code: 0813-2103
Section: A&B
Full Marks: 25

Course Title: Soil Science-I (Introductory Soil Science)
Level-2 Term-I

Teacher's Initial: MFB&DMI
Time: 1 Hour 30 Minutes

"Split answering is strictly prohibited"

1.	a) Define the terms soil and soil science. b) List the major components of soil and briefly describe the role of liquid phase and gaseous phase of soil.	CLO1PLOC1 CLO2PLOC2&C3	2 3
2.	a) Classify rocks on the basis of genesis (origin) and silica content. b) Describe the rock cycle with a neat, labelled schematic diagram.	CLO1PLOC2 CLO1PLOC3	2 3
3.	a) Define rock and mineral. b) Classify minerals with suitable examples on the basis of: i) Amount of occurrence ii) Mode of origin iii) Specific gravity iv) Chemical composition	CLO2PLOC1 CLO2PLOC2	2 3
4.	a) Define weathering and list the agents of weathering. b) Analyze the effects of temperature and water as agents of physical weathering.	CLO1PLOC1&C2	2
5.	a) Analyze Jenny's soil forming equation to explain the relative role of different soil forming factors. b) Describe the role of climate and biosphere as the active soil forming factor.	CLO1PLOC4 CLO1PLOC4 CLO1PLOC2	3 2 3