Hajee Mohammad Danesh Science and Technology University, Dinajpur

B.Sc. Ag. (Hon's); Level 1 Semester 1; Final Examination-2025

Course title: Fundamentals of Environmental Sciences Theoretical

Course code: AGF 101 | Full Marks: 30 | Time: 2 hours

There are seven questions in each section. Answer any 5 (Five) of them. The numbers in the right margin indicate marks of respective questions.

Section-A

1. What is meant by 'Environment'? Illustrate the environmental edaphic and biotic factors. 3.0

2. "Climatic factors greatly influence the survival, distribution, and behavior of living organisms" - Explain. 3.0

3. Briefly describe the major environmental issues of Bangladesh. 3.0

4. What is meant by fossil fuel? Analyze the comparative environmental effects of different fossil fuels. 3.0

5. Enumerate the reasons of global warming. Discuss the impact of global warming on Bangladesh. 3.0

6. Illustrate how global warming occurs due to the greenhouse effect with a sketch. 3.0

7. Give an outline of the ozone hole. Write the consequences of ozone layer depletion. 3.0

Section-B

1. Illustrate the following terms: Pollution, Pollutant, Environmental pollution. 3.0

2. "Oxides of carbon and nitrogen are the major air pollutants" - Justify. 3.0

3. Discuss the major pollutant causing water pollution. 3.0

4. What are the forms of acid deposition? Summarize the effect of acid rain on ecosystems. 3.0

5. What is "Atmosphere"? Briefly discuss the major layers of the atmosphere. 3.0

6. Define climate and clearly distinguish it from weather with suitable examples. 3.0

7. How does climate change influence Bangladesh, particularly in relation to floods, droughts, storms, and water resources? 3.0