Hajee Mohammad Danesh Science and Technology University, Dinajpur

B.Sc. Ag. (Hon's); Level 1 Semester 1; Final Examination-2023

Course title: Fundamentals of Environmental Science (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. Split answer of a question is not acceptable.

Section-A

1. Enumerate and briefly discuss the major environmental issues faced by Bangladesh. 3.0

2. Analyze the environmental degradation resulting from human activities. 3.0

3. Explain how agroforestry contributes to biodiversity conservation and soil protection. 3.0

4. Classify atmospheric layers and delineate their respective altitudes. 3.0

5. Interpret the statement "Burning of fossil fuel degrades our environment". 3.0

6. What is meant by greenhouse effect? Illustrate how global warming takes place due to greenhouse effect. 3.0

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

Section-B

1. Define environmental pollution. Discuss different types of environmental pollutants with examples. 3.0

2. Discuss the sources and effects of carbon dioxide and carbon monoxide with examples. 3.0

3. "Agroforestry practices improve water quality and mitigate climate change impacts" - Explain. 3.0

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

5. Briefly discuss the sources of water pollution. 3.0

6. Briefly enumerate the reasons of climate change. 3.0

7. What is meant by climate smart agriculture (CSA)? Enlist the CSA practices. 3.0