

**ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD**  
**(Department of Environmental Sciences)**

**WARNING**

1. **PLAGIARISM OR HIRING OF GHOST WRITER(S) FOR SOLVING THE ASSIGNMENT(S) WILL DEBAR THE STUDENT FROM AWARD OF DEGREE/CERTIFICATE, IF FOUND AT ANY STAGE.**
2. **SUBMITTING ASSIGNMENTS BORROWED OR STOLEN FROM OTHER(S) AS ONE'S OWN WILL BE PENALIZED AS DEFINED IN "AIOU PLAGIARISM POLICY".**

**Course: Introduction to Environment (1421)**  
**Level: BA (General)**

**Semester: Autumn, 2013**  
**Total Marks: 100**  
**Pass Marks: 40**

**ASSIGNMENT No. 1**  
**(Units 1–4)**

**Note: Attempt all questions. Support your answers with suitable diagrams.**

- Q.1 Define Environment. Describing the scope of environmental science, discuss why is it important to study environmental Science? (16)
- Q.2 Discuss the environmental issues and challenges that we face today at the national as well as the global level. Do you think that the environmental issues in the developed countries differ from those in the developing countries? Justify your answer. (16)
- Q.3 The characteristics exhibited by a community are different from those of the individual populations. Briefly describe what characteristics organisms show at these two levels. (16)
- Q.4 a. Sun is primary source of energy for the earth. What is the fate of solar energy when it reaches the earth? (16)
- b. What are green house gases? How do these contribute to increase the temperature of the earth?
- Q.5 Write a note on composition and structure of Atmosphere. (16)
- Q.6 Define the following terms in brief. (20)
1. Abiotic factors
  2. Ecofeminism
  3. Anthropogenic Activities
  4. Saprophytes
  5. Fixation

6. Autotrophs
7. Ecological Pyramid
8. Predation
9. Soil Erosion
10. Global Warming

## **ASSIGNMENT No. 2**

**Total Marks: 100**

**Pass Marks: 40**

**Note: Attempt all questions. Support your answers with suitable diagrams.**

- Q.1 Name the three types of rocks. How metamorphic rocks are formed? (16)
- Q.2 Define soil erosion. What are the factors that are responsible for erosion? Explain the impacts of erosion on environmental degradation. (16)
- Q.3 Write a note on the fresh water resources available to us on earth. Why these resources should be conserved. What role you can play to conserve water as an individual? (16)
- Q.4 Why is cycling of nutrients important? Describe nutrient cycling considering Nitrogen Cycle as an example. (16)
- Q.5 Define biodiversity. Briefly discuss the environmental, social and economic benefits of biodiversity. (16)
- Q.6 Differentiate between. (20)
1. Weather and Climate
  2. Soil texture and soil structure
  3. Surface water and ground water
  4. Hydrosphere and litho sphere
  5. Aquifer and permafrost