

ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD
(Department of Environmental Science)

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, 2012
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 it is important to study Environmental Science. (16)
- Q.2 Discuss the environmental issues and challenges that we face today at the national as well as at 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 Define Ecosystem. How a terrestrial ecosystem does differs from an aquatic ecosystem. Considering one example in each case describe how do these ecosystems sustain themselves? (16)
- Q.4 a. Sun is the primary source of energy for the earth. What is the fate of solar energy when it reaches the earth?
b. What are green house gases? How do these contribute to increase the temperature of the earth? (16)
- 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

Passing Marks: 40

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

- Q.1 Name the three types of rocks. How sedimentary 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 sulfur 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. Infiltration and percolation
 2. Soil texture and soil structure
 3. Surface water and ground water
 4. Hydrosphere and lithosphere
 5. Aquifer and permafrost