ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD

**(Department of Economics)**

**WARNING**

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

## Course: Energy Economics (9328) Semester: Spring, 2025

## Level: BS Economics

## Please read the following instructions for writing your assignments. (AD, BS, BEd, MA/MSc, MEd, MPhil and PhD)

1. All questions are compulsory and carry equal marks but within a question the marks are distributed according to its requirements.

2. Read the question carefully and then answer it according to the requirements of the questions.

3. Handwritten scanned assignments are not acceptable.

4. Upload your typed (in Word or PDF format) assignments on or before the due date.

5. Late assignments can’t be uploaded on LMS.

6. Your own analysis and synthesis will be appreciated.

7. Avoid irrelevant discussion/information and reproducing from books, study guides, or allied material.

## Total Marks: 100 Pass Marks: 50

**ASSIGNMENT No. 1**

**(Units 1–5)**

Q.1 Discuss in detail the role of renewable energy in addressing global energy security challenges. (20)

Q.2 What are the main types of energy markets? How do they differ in terms of pricing and market structure? (20)

Q.3 Compare the MAED, LEAP, NEMS, and WEM models in terms of their application and effectiveness in energy demand forecasting (20)

Q.4 Describe the evolution of Demand Side Management (DSM). How does demand Side Management (DSM) contribute to both environmental and economic goals? (20)

Q. 5 How does the economic evaluation of exploration activities impact investment decisions in the oil and gas industry? (20)

## Total Marks: 100 Pass Marks: 50

**ASSIGNMENT No. 2**

**(Units 6–9)**

Q.1 What are the fundamental components of an electricity system? (20)

Q.2 Evaluate the advantages and disadvantages of nuclear energy compared to renewable energy. (20)

Q.3 Explain how monopolies can lead to market failure in energy markets. (20)

Q.4 Analyze the role of traditional energies in developing economies and how they influence formal energy market pricing. (20)

Q.5 Explain the concept of the commoditization of oil and how it impacts global oil markets. (20)