


Name:			
Enrolment No:			
<b>UNIVERSITY OF PETROLEUM AND ENERGY STUDIES</b> <b>End Semester Examination, December 2022</b>			
<b>Course: Energy Scenario &amp; Security</b> <b>Program: B Tech-RESE</b> <b>Course Code: EPEG 2016</b> <b>Instructions:</b>		<b>Semester: 3<sup>rd</sup></b> <b>Time : 03 hrs.</b> <b>Max. Marks: 100</b>	
<b>SECTION A</b> <b>(5Qx4M=20Marks)</b>			
S. No.		Marks	CO
Q 1	Explain in detail about the <b>Emission Trading</b> and <b>Cap &amp; Trade</b> under Climate Change Control.	4	CO1
Q 2	Explain the types of projects including Afforestation and Reforestation under the CDM projects.	4	CO2
Q 3	Briefly explain about the tools for the demonstration and assessment of additionality.	4	CO2
Q 4	Explain the work of Designated Operational Entity (DOE) for the validation of project.	4	CO3
Q 5	Describe ERPA and its role in emissions reduction.	4	CO3
<b>SECTION B</b> <b>(4Qx10M= 40 Marks)</b>			
Q 6	Define the terms: a. Global Warming b. EU ETS c. JVETS d. Carbon Taxes e. Kyoto Protocol	(5Q*2M)	CO1
Q 7	Explain the following terms and state its importance. a. Joint Implementation b. Clean Development Mechanism c. CERs d. VERs e. RPO (Renewable Purchase Obligation)	(5Q*2M)	CO3
Q 8	A. How a carbon network is working between Buyers and Sellers. B. Explain the role of the parties involved in carbon trading.	5+5	CO2
Q 9	Explain the reforms in the distribution brought about by Electricity Act 2003. Explain the difference between Standards and Labelling.	10	CO4
<b>SECTION-C</b> <b>(2Qx20M=40 Marks)</b>			

Q 10	A carbon trading system allows the development of a market through which carbon dioxide or carbon equivalents can be traded between participants, whether countries or companies'- Explain with a case study.	<b>20</b>	<b>CO5</b>
Q 11	<p>List at least five national missions under the National Action Plan for Climate Change. Explain the 'Bachat Lamp Yojana' scheme.</p> <p style="text-align: center;">Or,</p> <p>List the various Initiatives taken by Indian Govt for Energy Efficiency enhancement &amp; Initiatives by International community for Energy Efficiency Enhancement.</p>	<b>20</b>	<b>CO5</b>