



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2021

Course: Energy Scenario & Security
Program: M. Tech (ESS+REE)
Course Code: EPEC 7033

Semester : 1st
Duration : 03 hrs.
Max. Marks: 100

Instructions: N.A.

SECTION A			
(Scan and upload)		(5Qx 4M = 20 Marks)	
		Marks	COs
Q 1	Explain in detail about the Emission Trading and Cap & Trade 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
SECTION B			
(Scan and upload)		(4Qx10M = 40 Marks)	
Q 6	Define the terms: a. Global Warming b. EU ETS c. JvETS d. Carbon Taxes e. Kyoto Protocol	(5Q*2M)	CO4
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	How a carbon network is working between Buyers and Sellers. 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. Or, Explain in details five important features of the energy conservation act, 2001.	10	CO4
SECTION-C			
(Scan and upload)		(2Qx 20M= 40 Marks)	
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.	20	CO5
Q 11	List at least five national missions under the National Action Plan for Climate		

	Change. Explain the 'Bachat Lamp Yojana' scheme. Or, List the various Initiatives taken by Indian Govt for Energy Efficiency enhancement & Initiatives by International community for Energy Efficiency Enhancement.	20	CO5
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