

Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination July 2020

Course: Carbon Trading

Program: Int.B.Tech (ET) + LLB (IPR)

Course Code: ETEG 441

Semester: VIII

Duration: 3 Hrs

Max. Marks: 100

Instructions:

1. Attempt all the questions (Theory, Numerical, Case study etc.) on A4 size blank sheets.
2. Attempt all questions serially as per question paper.
3. Answer should be neat and clean. Draw a free hand sketch for circuits/tables/schematics wherever required.
4. Scan the whole answer script and check the resolution carefully before upload on the blackboard. Note that answer scripts will be considered for evaluation only through Blackboard. No other mode of submission is acceptable.
5. You are expected to be honest about each attempt which you make to progress in life

S. No.		Marks	CO
	Section A		
Q.1	Write a brief note on following: 1) Carbon Market 2) Global Warming 3) REC Mechanism 4) Decentralized Generation 5) Emission factor in GHG emission	Each 6	CO1 CO1 CO4 CO3 CO2
Q.2	An IPPC has signed a MoU with DISCOM for sale of Renewable Energy by participating in Reverse bidding @ 2.58 PU for 25 years during April 2017 in state of Rajasthan. The IPPC has Installed 125 MW Solar power plant. Out of which 25 MW are supplied to nearby industrial area and 100 MW are dedicated for DISCOM. IPP is feeding energy in to grid lines extended by DISCOM. Explain if IPP is eligible for REC. Estimate the approximate annual RECs that can be earned by IPP. Make suitable assumptions and justify all. (take 1250 units/kw/year as SPP)	10 M	CO4
	Section B		
Q.3	Briefly explain highlights of India's progress in Carbon trading	10 M	CO1
Q.4	Explain the Finance control strategy and Operational Control Strategy in GHG estimation	10 M	CO2
Q.5	Explain the Targets of Phase II of JNNSM	5 M	CO3
Q.6	Explain in brief effect of Green House Gases	5 M	CO2
Q.7	Explain the 'Generalized objective(s)' of policy (document) formation.	5 M	CO1
Q.8	Explain the proposed emission norms as in Kyoto Protocol.	5 M	CO1

NOTE : The submission time of the Question Paper Answer Sheet is 24 Hrs from the scheduled time (exceptional provision due to extraordinary circumstance due to COVID-19 and due to internet connectivity issues in the far-flung areas).

No Submission will be entertained after 24 Hrs

Q.9	With neat diagram explain the 'Policy formation process' also explain the involvement of various bodies in forming the policy.	10 M	CO1
Q.10	Briefly explain highlights of India's progress in REC Market	10 M	CO4

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No Submission will be entertained after 24 Hrs