

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

END SEMESTER EXAMINATION, DECEMBER 2021

Semester: III

Course: Renewable Energy Policies

Program: M. Tech-REE

Course Code: EPEC 8007

Time 03 hrs.

Max. Marks: 100

SECTION A

C No	$(5Q \times 4M = 20)$	
S. No.		CO
Q1	List some Government schemes along with benefits, which promotes biomass energy in India.	CO1
Q2	Highlight all avenues generated for the rural areas of India through the Off-Grid Solar PV policy.	CO2
Q3	Outline some key barriers for implementing the REC mechanism in India	CO3
Q4	Write down some crucial provisions given under financial and economic support	CO4
	structure in NREA (National Renewable Energy Act)-2015	
Q5	Write your views in regards to the importance and need of Renewable Energy Policy in	CO5
	India.	
	SECTION B	
	(Scan and upload) $(4Qx10M = 40)$	Marks)
Q6	Explain the REC trading mechanism in detail and list some key features of the REC	CO1
	mechanism.	
Q7	Discuss in detail any two policies, which promotes the decentralization of renewable	CO2
	energy in the Indian power sector with their advantages to the attached stakeholders.	
Q8	Explain the role of distribution licensee as per the Indian regulation for grid	CO3
	interconnections of renewable energy systems and discuss the barriers of the	
	interconnection of renewable energy in the main power grid.	
Q9	I. Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM) is	CO4
	the scheme launched by the government of India on 8 th March 2019 to strengthen the	
	off-grid solution, give your comments on this scheme covering the objectives, salient	
	features and outcomes of the scheme.	

	OR	
	II. Discuss in detail about the National Wind Solar Hybrid Policy heighlighting its	CO4
	key provision given in regards to financial benefits to the stakeholders.	
	Section C (Scan and upload) (2Qx 20M= 40)	Marks)
Q10	As an entrepreneur in the renewable energy sector, which type of business do you want	
	to run, explain the business model in detail and also select the relevant policy which will	CO4
	assist in setting up and running your business model.	
Q11	i) Write your views regarding the New National Biogas and Organic Manure	
	Programme (NNBOMP) launched by MNRE (GoI) in the year 2018 highlighting all	
	the aspects considered in the policy and its benefits to the stakeholders.	CO5
	OR	
	ii) Assume you are the Renewable Energy Manager of your state power distribution	
	company. You have conducted their annual energy audit and observed that the system	
	was incurring a total of 20% AT&C losses and Peak Demand has increased to 20%	
	as compared to the last two years. Keeping these issues into consideration as an RE	
	Manager what recommendation you will give to the company for curtailing the losses	
	and their carbon emission. You are expected to present the short report in a	
	professional format including the recommendations along with supporting policies	COF
	in your state or at the national level (if any) to justify your points.	CO5
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