

Name:	 UPES UNIVERSITY WITH A PURPOSE
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, May 2020

Program: MA Energy Economics Subject (Course): Renewable Energy and Energy Efficiency Eco Course Code : ECON 8004 No. of page/s: 2	Semester –IV Max. Marks: 100 Duration: 3 hrs
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SECTION A

		M ar ks	CO
Q1	Write short notes (Attempt any 5) <ol style="list-style-type: none"> 1. Demand Side Management 2. Energy Efficiency 3. Smart Grid 4. Condition Precedent 5. Types of CSP Technology 6. Valley filling 7. Smart Grid 8. BEE 9. Solar PV materials used 	30	CO1

SECTION B (Attempt any 5 Questions)

Q1	Critically evaluate Demand Side management Policies in India.	10	CO3
Q2	Evaluate the challenges and issues that Electricity grid will face due to 100% renewable integration.	10	CO3
Q3	Explain the technology behind CSP technology and critically evaluate its shortcomings.	10	CO2
Q4	Name all the clauses that will be mentioned for a PPP contract	10	CO2
Q5	Analyze Structural effect, Activity effect and Energy intensity effect under index decomposition analysis.	10	CO3

Q 6	Critically analyze the economic evaluation of Solar rooftop PV integration for an ordinary home.	10	CO4
Q7	Evaluate the challenges and issues that Electricity grid will face due to 100% renewable integration.	10	CO2
Q8	Critically evaluate PAT mechanism with suitable example.	10	CO3
SECTION-C (Answer any One)			
Q1	In order to meet emission reductions requirements, you argue that we must reduce electricity demand along with transitioning to low- and zero-carbon sources. How important is reducing demand in comparison to implementing renewables? Explain.	20	CO4
Q2	Critically evaluate Provisions for City and Site level greening under green buildings and sustainability provision	20	CO4