


Name:			
Enrolment No:			
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, May 2024			
Programme Name: M. Tech- Renewable Energy Engineering		Semester : II	
Course Name : Energy Policy, Audit and Business Challenges		Time : 03 hrs.	
Course Code : EPEC7078		Max. Marks: 100	
Nos. of page(s) : 1			
Instructions: Go through the questions carefully.			
SECTION A (5Qx4M=20Marks)			
S. No.	Questions	Marks	CO's
Q1	Explain Energy Demand and Supply statistics for India/Mexico?	4	CO1
Q2.	Enlist Biofuel Policies (India/Mexico)?	4	CO1
Q3	Discuss the Renewable Energy vision for the Country (India/Mexico) for achieving NetZero?	4	CO3
Q4	What is the difference between LCA and EIA?	4	CO2
Q5	Discuss steps to reduce energy inefficiency in the Country (India/Mexico)?	4	CO2
SECTION B (4Qx10M=40Marks)			
Q6	Explain the Renewable Energy Infrastructure in India/Mexico? What are the bottlenecks for Renewable Energy production systems? Provide plausible approaches/technologies for enhancing renewable power generation?	10	CO2
Q7	Define Energy Audit? Explain the different types of Energy Audits? Differentiate them with suitable examples?	10	CO2
Q8	What is the Potential and Future of Hydrogen Energy in India/Mexico? Explain the best approaches for green Hydrogen production for the Country?	10	CO3
Q9	Discuss steps taken by the Govt. (India/Mexico) to curtail GHG emissions? List key strategies and policies to facilitate GHG emission abatement through the various provisions for Renewable Energy Production?	10	CO3
SECTION C (2Qx20M=40Marks)			
Q10	Describe the Infrastructure facilities for Hydro power production (India/Mexico)? Provide the potential of Hydro power for the entire country and the Hotspots for Hydro energy production? List a few policies to promote Hydro power production in the Country? Enumerate current projects, investment opportunities (national/global) and the business challenges associated with Hydro-power Implementation in the Country?	20	CO5
Q11	Discuss Challenges and Opportunities in implementing Renewable Energy Policies in India/Mexico? Explain with examples?	20	CO4