



Name:

Enrolment No:

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, May 2022

Course: Renewable Energy Planning and Economics

Program: BBA (Green Energy and Sustainability)

Course Code: OGET1005

Semester: II

Time : 03 hrs.

Max. Marks: 100

Instructions: Attempt all the questions

SECTION A
10Qx2M=20Marks

S. No.	Define the following terms in two lines	Marks	CO
Q 1	Planned Energy Scenario (PES)	2	CO 1
Q 2	Energy Intensity	2	CO 1
Q 3	Deeper Decarbonisation Perspective (DDP)	2	CO 1
Q 4	Grey hydrogen	2	CO 1
Q 5	Just transition	2	CO 1
Q 6	Industry as a challenging sector	2	CO 1
Q 7	Demand side management	2	CO 1
Q 8	Two components of financial analysis	2	CO 1
Q 9	Structure of capital investments	2	CO 1
Q 10	Levelised cost of Energy	2	CO 1

SECTION B
4Qx5M= 20 Marks

	Answer the following questions in brief		
Q11	Explain the coordination of regional ambitions with global energy and climate goals	5	CO 1
Q12	Identify the transformative energy developments that has taken place to achieve net zero goals	5	CO 2
Q13	Discuss “ electrification” as one of the five technology pillars for the future of energy	5	CO 2
Q14	Describe the policy interventions for a decarbonised society	5	CO 2

SECTION-C
3Qx10M=30 Marks

	Answer the following questions in detail		
Q 15	Explain the likely effects of energy transition on the GDP.	10	CO 2
Q 16	Analyze the concept of energy planning and outline its objectives.	10	CO 3
Q 17	Evaluate the key drivers for the energy transformation	10	CO 4

SECTION-D
2Qx15M= 30 Marks

	Answer the following questions in detail		
Q 18	Evaluate the methods of RES project efficiency evaluation with and without the time factor	15	CO 4
Q 19	Analyze the process of energy planning at macro-level and at local level in urban areas	15	CO 3