

Name:	 UPES <small>UNIVERSITY OF TOMORROW</small>
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2022

Course: Understanding New and Green Energy sector

Semester: I

Program: BBA (Green Energy and Sustainability)

Time : 03 hrs.

Course Code: OGET1003

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	Negative impact of wind energy	2	CO 1
Q 2	Agricultural waste	2	CO 1
Q 3	Energy conservation in home	2	CO 1
Q 4	Municipal waste	2	CO 1
Q 5	Challenges in the development of hydropower in India	2	CO 1
Q 6	Problems in application of hydrogen cells	2	CO 1
Q 7	Objectives of Jawaharlal Nehru National Solar Mission in India	2	CO 1
Q 8	Potential of Offshore wind energy	2	CO 1
Q 9	Bioenergy production routes	2	CO 1
Q 10	Animal waste	2	CO 1

SECTION B
4Qx5M= 20 Marks

	Answer the following questions in brief		
Q1	Explain the types of biomass	5	CO 1
Q2	Define the tidal technologies used for power generation	5	CO 2
Q3	Differentiate between renewable and non-renewable energy sources	5	CO 2
Q4	Explain the applications of hydrogen fuel cells	5	CO 1

SECTION-C
3Qx10M=30 Marks

	Answer the following questions in detail		

Q1	Analyze the potential of agrivoltaics in India.	10	CO 3
Q2	Analyze the barriers of adopting tidal energy across the globe.	10	CO 2
Q3	Evaluate the outcome of COP27 held in Egypt in November 2022.	10	CO 3
SECTION-D			
2Qx15M= 30 Marks			
	Answer the following questions in detail		
Q1	Evaluate the initiatives taken by the Indian Government to promote wind energy in India.	15	CO 2
Q2	Analyze the salient features of the Green Hydrogen policy notified by the Government of India on 17 th February 2022	15	CO 3