


Name: Enrolment No:			
UPES End Semester Examination, May 2025			
Program: BBA (Green Energy and Sustainability)		Semester: II	
Course: Understanding New and Green Energy Sector		Time: 3 hrs	
Course Code: OGET1003		Max. Marks: 100	
Instructions: Attempt all questions			
SECTION A 10Qx2M=20Marks			
S. No.	Define the following terms in two lines	Marks	CO
Q 1	Advantages of Geothermal energy	2	CO 1
Q 2	Concept of Solar Thermal	2	CO 1
Q 3	Energy storage methods	2	CO 1
Q 4	Municipal waste	2	CO 1
Q 5	Barriers of Tidal energy	2	CO 1
Q 6	Objectives of Solar off grid	2	CO 1
Q 7	Uses of geothermal energy	2	CO 1
Q 8	Types of Hydro power	2	CO 1
Q 9	Challenges of installing offshore wind turbine	2	CO 1
Q 10	Energy conservation	2	CO 1
SECTION B 4Qx5M= 20 Marks			
	Answer the following questions in brief		
Q 1	Explain the various soil concerns related to biomass	5	CO 1
Q 2	Explain the various problems regarding hydrogen fuel cells	5	CO 1
Q 3	Explain the progress made so far in terms of floating solar in India.	5	CO 2
Q 4	Define the tidal range technologies used for power generation	5	CO 2
SECTION-C 3Qx10M=30 Marks			
Q 3	Answer the following questions in detail		
A	Geothermal energy installations have negligible emissions and noise. However, there are several barriers that need to be overcome. Elucidate.	10	CO 2

B	Explore the barriers of Electric vehicles in India.	10	CO 2
C	Analyze the Government initiatives to make India stands 5th in solar PV deployment across the globe at the end of 2022	10	CO 2
SECTION-D 2Qx15M= 30 Marks			
Q4	Answer the following questions in detail		
A	Explain the challenges of installing nuclear power plants globally	15	CO 3
B	Investigate the measures taken to site a Wind turbine in an area of your choice.	15	CO 3