

Name:	
Enrolment No:	

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

Course: Understanding New Energy resources Program: BBA Oil and Gas Time: 3 hrs Instructions:	Semester: VI Course code: OGOG 2004 Max. Marks: 100
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SECTION A

S. No.	Answer All questions.	Marks	CO
Q 1	Fill in the blanks		
a.	Three main parts of Tidal power plant are, and resulting in electricity generation	6 X 5 = 30 marks	1,2,3
b.	Full form of IREDA is		
c. generate power from a diverse range of small local generators using both fossil fuels (diesel, gas) and locally available renewable energy technologies (solar PV, wind, small hydro, biomass, etc.) with or without its own storage (batteries).		
d. is an incorruptible digital ledger that conducts and records transactions through a peer-to-peer network.		
e.	One of the most common uses of the solar panels is to use it to recharge the boat's batteries or have it on the boat as a backup just in case the battery needs to be recharged at any time.		
f.	Geothermal Atlas of India, prepared by the gives information/data for more than 300 geothermal potential sites.		

SECTION B

	Answer the questions in detail.		
Q 2	Explain the advantages and disadvantages of wind energy	10	1
Q 3	Explain the benefits and the problems associated with installation of Geothermal power plants in India	10	1
Q 4	Explain the scope of renewable energy in India.	15	2
Q 5	Understand the factors that have a huge impact on the electricity market in Alberta.	15	3

SECTION-C

	Answer the questions in detail.		
Q 6	Understand how PV systems are integrated into the power grid and Explain the "smoothing effect" with respect to multiple PV solar systems.	10+10	1,2,3