

Name:	
Enrolment No:	

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

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

SECTION A

S. No.	Answer All questions.	Marks	CO
Q 1	Fill in the blanks		
a.	Full form of NISE is	6 X 5 = 30 marks	1,2,3
b.	The two types of biogas production plants are as and		
c.	A hydrogen fuel cell bus has been launched in India by Tata Motors in collaboration with theand Indian Oil (IOCL).		
d. energy originates from the original formation of the planet and from radioactive decay of materials inside the earth's crust		
e.	Forestry crops and Industrial residue are the major sources of		
f.	Small Hydro Power plant with a size between 50 kW to 200 kW is known as		

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 Tidal power plants in India	10	1
Q 4	Compare and contrast various solar generation technologies, including photovoltaic (PV) and concentrating solar power (CSP).	15	2
Q 5	Understand technologies used to transport and store solar generated electricity.	15	3

SECTION-C

	Answer the questions in detail.		
Q 6	Identify available features of electricity market design that address resource adequacy. Understand how price spikes can impact “energy-only” power markets like Alberta.	10+10	1,2,3