

Name:	 <b>UPES</b> UNIVERSITY WITH A PURPOSE
Enrolment No:	

<b>UNIVERSITY OF PETROLEUM AND ENERGY STUDIES</b> <b>Online End Semester Examination, December 2020</b>	
<b>Course: Economics of Solar and Wind Energy</b> <b>Program: BA (Energy Economics)</b> <b>Course Code: ECON 2003</b>	<b>Semester: III</b> <b>Time 03 hrs.</b> <b>Max. Marks: 100</b>

<b>SECTION A</b>	
<b>1. Each Question will carry 5 Marks</b> <b>2. Instruction: Complete the statement / Select the correct answer(s)</b>	

S. No.	Question	CO
Q 1	Name different types of Renewable Energy	CO1
Q2	What are the disadvantages of non-renewable energy What is energy security	CO1
Q3	What are the responsibilities of Solar Power Park Developer?	CO3
Q4	Name the instruments used for Solar Resource Assessment Name different type of Irradiance	CO2
Q5	Force that help in the rotation of wind turbine is ____ PV cells are made up of ____ Transformers are used for ____ Solar tower is ____ Which part of <u>country</u> observes maximum solar energy ____	CO1
Q6	Full form of PV cell is ____ Instrument connected to wind turbine to sense the wind direction is ____ Full form of GHI is ____ Full form of JNNSM is ____ Full form of C-WET is ____	CO3

<b>SECTION B</b>	
<b>1. Each question will carry 10 marks</b> <b>2. Instruction: Write short / brief notes</b>	

Q 7	Explain the working of PV cell  OR  Explain the working of solar tower	CO1

Q 8	What are the policies of India for Renewable Energy Resource	<b>CO3</b>
Q 9	Explain the Levelized Cost of Energy (LCOE).	<b>CO2</b>
Q 10	How wind energy can be used to generate the electricity Or How parabolic trough are used for generating electricity from solar energy	<b>CO3</b>
Q 11	Range of Activities that ministry covers for renewable energy resources  OR  Write a description about various types of Renewable Energy Resources	<b>CO5</b>
<b>Section C</b>		
<b>1. Each Question carries 20 Marks.</b> <b>2. Instruction: Write long answer.</b>		
Q12	Write a detailed description about solar Resource Assessment  OR  Write a detailed description about Wind Energy Resource Assessment	<b>CO4</b>