Name:

Enrolment No:



Semester: I

UPES

End Semester Examination, December 2023

Course: Energy Sector Structure & Functioning

Program: BBA OGM Time : 03 hrs.
Course Code: OGET 1001 Max. Marks: 100

Instructions: All questions are mandatory

Read the questions carefully before trying to answer.

Kead	Read the questions carefully before trying to answer.						
	SECTION-A 10Qx2M=20 Marks						
Q1							
	 Generate Electricity Operate flour mills 	2	CO1				
	3. Draw underground water	2	COI				
	4. All of the above						
Q2	The electricity produced by the force of water is known as						
Q2	1. Thermal						
	2. Nuclear	2	CO1				
	3. Photo	2	COI				
	4. Hydro						
Q3	Charcoal is obtained from						
	1. Coal						
	2. Petroleum	2	CO1				
	3. Rubber	_					
	4. Wood						
Q4	What are greenhouses gases responsible for						
	1. Global warming						
	2. Depletion of Ozone Layer	2	CO1				
	3. Climate change						
	4. All of the above						
Q5	Burning of which fossil fuels is considered to be cleanest						
	1. Natural gas						
	2. Crude oil	2	CO1				
	3. Coal						
	4. None of the above						
Q6	The ultimate source of energy on the earth is						
	1. Electricity						
	2. Water	2	CO1				
	3. Sun						
	4. Plants						

The property of petroleum that defines its resistance to flow at given		
·	2	CO1
·		
•		
• .		
1. 415.00 GW	•	001
2. 420.50 GW	2	CO1
3. 423.35 GW		
4. 425.50 GW		
The share of thermal power in total installed capacity is		
1. 56.25%		
2. 30.91%	2	CO1
3. 11.06%		
4. 1.76%		
Distillation is the separation of crude oil into groups of hydrocarbon		
compounds based on molecular size and boiling point range	2	GO1
1. True	2	CO1
2. False		
SECTION-B		•
4Qx5M= 20 Marks		1
Explain the concept of EEE.	5	CO2
What are the benefits of using nuclear energy?		CO2
0	<u> </u>	CO2
Write the steps involved in E&P process.	5	CO2
What is the status of the solar energy market in India, and what factors		CO2
contribute to its growth?	5	CO3
Section C 3O*10M- 30 Marks		
		CO3
'		
involved in its creation?		CO4
How is coal classified, and what are the main types of coal based on their		003
carbon content and energy value?		CO3
Section D 20*15M-30 Marks		
Explain the concept of energy transition. How quest for energy transition		
		CO3
	3. Miscibility 4. Pour point India is the third-largest producer and consumer of electricity in the world with a generation capacity of 1. 415.00 GW 2. 420.50 GW 3. 423.35 GW 4. 425.50 GW The share of thermal power in total installed capacity is 1. 56.25% 2. 30.91% 3. 11.06% 4. 1.76% Distillation is the separation of crude oil into groups of hydrocarbon compounds based on molecular size and boiling point range 1. True 2. False SECTION-B 4Qx5M= 20 Marks Explain the concept of EEE. What are the benefits of using nuclear energy? Write the steps involved in E&P process. What is the status of the solar energy market in India, and what factors contribute to its growth? Section C 3Q*10M= 30 Marks Describe the strategies adopted by Indian government to promote power market. How is petroleum formed, and what are the key geological processes involved in its creation? How is coal classified, and what are the main types of coal based on their carbon content and energy value? Section D 2Q*15M= 30 Marks	operating conditions is known as 1. Viscosity 2. Gravity 3. Miscibility 4. Pour point India is the third-largest producer and consumer of electricity in the world with a generation capacity of 1. 415.00 GW 2. 420.50 GW 3. 423.35 GW 4. 425.50 GW The share of thermal power in total installed capacity is 1. 56.25% 2. 30.91% 3. 11.06% 4. 1.76% Distillation is the separation of crude oil into groups of hydrocarbon compounds based on molecular size and boiling point range 1. True 2. False SECTION-B 4Qx5M= 20 Marks Explain the concept of EEE. What are the benefits of using nuclear energy? Write the steps involved in E&P process. What is the status of the solar energy market in India, and what factors contribute to its growth? Section C 3Q*10M= 30 Marks Describe the strategies adopted by Indian government to promote power market. How is petroleum formed, and what are the key geological processes involved in its creation? How is coal classified, and what are the main types of coal based on their carbon content and energy value? Section D 2Q*15M= 30 Marks

Q2	What is the current energy mix in India, and how has it evolved over the	ergy mix in India, and how has it evolved over the	
	past decade?		CO4