


Name:		 UPES UNIVERSITY WITH A PURPOSE	
Enrolment No:			
UNIVERSITY OF PETROLEUM & ENERGY STUDIES End Semester Examination, December, 2020			
Course: Electricity Markets		Semester : Vth	
Program: BA (EE)		Time : 03 Hours	
Code: ECON3006		Max. Marks : 100	
<i>All questions shall be strictly answered in chronological order.</i>			
<u>SECTION A</u>			[20 Marks]
			<u>Marks</u>
			<u>CO</u>
Q 1	What are the three categories of electricity consumers in India? Also mention their connectivity voltages.	5	CO1
Q 2	Write a short note on the constitution of the Indian Electricity Market.	5	CO2
Q 3	Open Access is required to be booked for the month of March 2021. In which month can the application be submitted to the Load Despatch Centre at the earliest. Explain with the help of an example.	5	CO1
Q 4	Briefly explain the risk management process in the Bilateral market.	5	CO2
Q 5	What is the advantage of Regional Balancing of Power?	5	CO2
Q 6	What is the order of preference followed by the transmission utility for approving Power Market Transactions?	5	CO1
<u>SECTION B</u>			[50 marks]
Q 7	Explain the reason for entering into back to back contracts with the utilities while executing a banking agreement.	10	CO3
Q 8	Explain the concept of Regional Balancing of Power.	10	CO2
Q 9	Explain the difference between Day Ahead Market and Day Ahead Contingency Market.	10	CO3
Q 10	Briefly explain the concept of Reverse Auction in Bilateral Trading	10	CO4
Q 11	Discuss the reasons why Thermal Power Generation is the leading method of Power Generation in India.	10	CO3
<u>SECTION C</u>			[30 Marks]

Q 12	<p>ABC Distribution Company Limited has floated a tender for purchase of 500MW power from various eligible entities. The tender has been floated following the reverse Auction process. Explain the process followed if the following bidders have submitted the bids:</p>			20	CO4
	Bidder	Quantum (MW)	Tariff (Rs/kWh)		
	C & Company Limited	200	Rs. 3.10/kWh		
	B & Company Limited	100	Rs. 3.13/kWh		
	Z & Company Limited	150	Rs. 3.18/kWh		
	X & Company Limited	120	Rs. 3.25/kWh		
	Y & Company Limited	400	Rs. 3.28/kWh		
	D & Company Limited	200	Rs. 3.32/kWh		