Name:

**Enrolment No:** 

Program: MBA (PM)



UNIVERSITY WITH A PURPOSE

Semester

Time

: IInd

: 03 Hours

## UNIVERSITY OF PETROLEUM & ENERGY STUDIES End Semester Examination, June, 2021

**Course: Energy Power Trading & Network Administration** 

0	<b>m:</b> МВА (Р РІРМ7004	IVI)		Max. Marks : 100				
All ques	tions shall be	strictly answered in chrono	ological order.					
	SECTION A					[30 Marks]		
					<u>Marks</u>	<u>CO</u>		
Q 1	Briefly dis	scuss the REC Mechanism	1.		5	CO1		
Q 2		Write a short note on the Power Generation in India.				CO2		
Q 3	Discuss the various steps taken by the Government of India to encourage the generation and use of Renewable Energy.					CO2		
Q 4	Briefly discuss the advantages of Point of Connection method over the Postal Stamp Method of Transmission Pricing.					C01		
Q 5	Write a short note on the role of a Power Trader in a Banking Transaction.					CO2		
Q 6	In a certain condition, a Category I Trading Licensee has to maintain a net worth of Rs. 75 Crores. Briefly discuss the condition.					CO1		
SECTION B				[50 marks]				
Q 7	Discuss the advantages of Power Exchange over Bilateral Trading				10	CO3		
Q 8	Write a note on the various categories of Trading Licensees as approved by the CERC. Your answer must be supported by the details of Trading License categories, Net Worth and Approved number of units to be traded.					CO4		
	Study the following data:							
	Year	Short Term Volume (BUs)	Generation Capacity (BUs)	Percentage				
	2009-10	65.9	805.25	8%				
	2010-11	81.56	852.35	10%				
Q9	2011-12	94.51	927.75	10%				
	2012-13	98.94	969.29	10%				
	2013-14	106.64	1026.34	10%	10	CO2		
	2014-15	98.99	1110.07	9%				
	2015-16	115.23	1172.78	10%				
	2016-17	119.23	1241.7	10%				
	2017-18	127.62	1308.15	10%				
	2018-19	145.2	1375.86	11%				
	2019-20	137.16	1390.93	10%				

	-	ents on the data and link each c	comment with you	ır			
	real time observation of the	1					
		A & Co Ltd. and B & Co Ltd.	engage in the				
	• •	banking of power.					
	A banked the energy with E						
	Period of Supply	Duration of Supply	Quantum of				
			Power				
	01.06.2021 - 30.06.2021	00:00 to 06:00, 12:00 to	200				
		14:00 and 22:00 to 24:00					
	01.07.2021 - 31.07.2021	00:00 to 08:00, 11:00 to	350				
		14:00 and 21:00 to 24:00					
	01.08.2021 - 31.08.2021	00:00 to 05:00, 13:00 to	250				
		14:00 and 20:00 to 24:00					
	B & Co agreed to return 90% of the banked energy and in case of return of						
less energy agreed to pay for the remaining energy @ Rs. 4.00/kWh							
Q 10							
-	Following was the schedule						
	Period of Supply	Duration of Supply	Quantum of				
			Power				
	01.11.2021 - 30.11.2021	00:00 to 15:00 and 22:00 to	100				
		24:00					
	01.12.2021 - 31.12.2021	00:00 to 13:00, and 21:00 to	270				
		24:00					
	01.01.2022 - 31.01.2022	00:00 to 16:00 and 23:00 to	130				
		24:00					
		•	<u> </u>				
	According to the terms and						
	1. The total energy ret						
	2. The amount payable						
	Support your answers with	detailed calculations					
	Support your answers with Write a note on the Advan		(ARA) process of	of			
Q 11	Write a note on the Advan	detailed calculations need Reservation Application ridor for short term transac			CO3		
Q 11	Write a note on the Advan	nced Reservation Application ridor for short term transac			CO3		

Q 12	power plant in the state 2.20/kWh. The generator is confuse exchange trade. Assist the generator in th detailed calculations. Following are the details Prevailing MCP of the Ex A discom located in Wes Rs. 3.71/kWh at the point	e of Maharashtra. The c ed between selling the po- e decision making and su required to reach to an inf achange: Rs. 3.50/kWh st Bengal is willing to bu of Entry into WB ISTS eted to 132kV Maharash at a minimum profit margi- will be sold on RTC Basis	ty the power at a tariff of the structure of the structur	20	CO4
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