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Name: Enrolment No:		 UPES UNIVERSITY WITH A PURPOSE	
UNIVERSITY OF PETROLEUM & ENERGY STUDIES <u>End Semester Examination – May, 2020</u>			
Program/course: MBA (Power Management)		Semester : 4th	
Subject: Integrated Power Resources Management and Power Sector Planning			
Max. Marks: 100		Duration : 3 Hrs	
Code: PIPM 8005		Duration : 3 Hrs	
No. of page/s: 2			
<i>All questions shall be strictly answered in chronological order.</i>			
<u>SECTION A</u>			[6+7+7= 20 Marks]
Ques 1	Briefly discuss the utility of the following methods associated with forecasting of energy demand: a) Delphi Method b) Trend Projection c) Causal Model	(6+7+7)	CO1, CO2
<u>SECTION B</u> Answer any FOUR questions from this section			[4*15 Marks = 60 Marks]
Ques 2	Based on Draft National Electricity Plan, discuss the future electricity mix of India.	15	CO1, CO2, CO3
Ques 3	Electric Vehicles and Electricity Storage Options are expected to radically transform power sector in India. Discuss.	15	CO2, CO3, CO4
Ques 4	Integrated power resources management is essentially dependent on effective implementation of smart grid. Justify.	15	CO3, CO4
Ques 5	Discuss the salient features of Grameen Shakti experiment with solar home systems in Bangladesh that ensured its success.	15	CO2, CO3, CO4

Ques 6	Highlight the innovative practices of Husk Power Systems in extending decentralized electricity supply through rice husk based power plants in rural Bihar.	15	CO1, CO2, CO3
<u>SECTION C</u>		[1*20 Marks = 20 Marks]	
Answer any ONE question from this section.			
Ques 7	Discuss the factors that are generally considered for estimating future electricity demand.	20	CO2, CO3, CO4
Ques 8	Cities such as Dubai and Masdar are classic examples of integrated resource management. Discuss the lessons for India from such innovative practices in Dubai and Masdar.	20	CO2, CO3