Name:		W UPES			
Enrolment No:					
		DLEUM AND ENERGY STU	DIES		
End Semester Examination, May 2023Program:MBA Power ManagementSeme			emester – II	x. Marks: 100	
		Iax. Marks: 100			
		uration: 3 hrs.			
Instruc					
		CCTION A 2M=20Marks			
S. No.			Marks	CO	
Q 1	Complete the AbbreviationsMQTT		2	C01	
	• RFID				
Q2.	Give 2 examples of Data protocols		2	CO1	
Q3	Give 2 examples of communication proto	col	2	CO1	
Q4	Who creates standards for smart grid tech	nologies in India?	2	CO1	
Q5	What is the role of BEE in Indian energy	sector?	2	CO1	
Q6	Blockchain consumes huge amount of e false?	nergy. Is the statement True of	or 2	CO1	
Q7	Which international body frames the stand	dard of IoT?	2	C01	
Q8	What are Actuators?		2	CO1	
Q9	What is channel efficiency?		2	C01	
Q10	What do you mean by quality of electricit	y?	2	CO1	
		CCTION B			
0.11	-	M= 20 Marks			
Q 11	Describe SMQTT?	DES	5	CO2	
Q 12	Describe the functions of Mapreduce and		5	CO2	
Q 13	What is the role of NLDC and SLDC in S		5	CO2	
Q 14	Name any 5 factors on which energy dem	and forecasting is done.	5	CO2	

	SECTION-C 3Qx10M=30 Marks					
Q 15	Analyze the differences between SPARK and HADOOP.		CO3			
Q 16	How Sustainable development is related to a Smart Grid development projects. Answer with proper arguments.	10	CO3			
Q 17	With help of a block diagram explain the role of AWS service implementation in Utility Sector		CO3			
	SECTION-D 2Qx15M= 30 Marks					
Q18	There are 5 Business Models mentioned under NSGM. Which business model will you suggest implementing (say you are a consultant to a DISCOM) and explain with proper arguments for the following Smart Grid Technology? Explain for any one Technology		CO4			
Q19	 6 keywords are the objectives of Ministry of Power. They are "Reliability, Safety, Accessibility, Quality, Affordability and Availability". How Smart Grid implementation can help in achieving the objectives mentioned in quotes with suitable example? 		CO4			