Duration: Three Hours Total Marks: 80

Note:

1. (Question	No.	1	is	com	pulsor	٧
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- 2. Solve any three questions out of remaining five questions
- 3. Figure on right indicates full marks

Q1	a.	What is Wide Area Network (WAN)?	5 (3)
	b.	Explain in short the automated meter reading (AMR)	5
	C.	What do you meant by self healing grid?	5
	d.	Explain briefly Wide Area Measurement System (WAMS)	5
Q2	a.	What is the need of smart grid?	10
	b.	What are the opportunities and barriers of smart grid?	10
Q3	a.	Elaborate on Plug in Electric Hybrid Vehicles	10
	b.	Write a note on smart appliances	10
Q4	a. 07	Write a note on Geographic Information System (GIS)	10
715/57 215/57	b .	Write a note on Phasor Measurement Unit (PMU)	10
Q5	a.	Elaborate on the concept of microgrid	10
	b	Write a note on Distributed Energy Resources (DER)	10
Q6	a. 6	Explain GPS and Wi-Fi communication technologies	10
2000	b .	Explain Wi-Max based communication technology	10
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