Printed Pages—3	EEE06	2	
(Following Paper ID and R	No. to be filled in your Answer Boo	k)	
สุดในสาร 55 1 แปรโปรโปล	B. Tech.		
(SEM, VIII) THE	ORY EXAMINATION 2011-12		
	ENERGY MANAGEMENT		
Sender	SYSTEM		
Time : 3 Hours	Total Marks : 1	00	
Note:— (1) Atte	empt <i>all</i> questions. questions carry equal marks.		
 (a) What do you r its advantages (b) Discuss the ge Also mention (c) Explain the f (i) Power l (ii) Microw (iii) Fiber of 2. Answer any two p (a) Explain the the advantag (b) Explain the (i) On/Off 	ine carrier aves otical channels and Satellites. parts of the following : (10×2= data acquisitions systems. Also exp es and limitations. following : control of lines isturbance collection and analysis.	tion ms. ure. =20)	
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- (c) What do you mean by "Regulatory Functions" in "SCADA" systems ? Also mention its significances.
- 3. Answer any two parts of the following :-- (10×2=20)
 - (a) Explain the operator consoles and VDUs. Also mention their limitations and significances.
 - (b) What do you mean by "Displays Units" in Man-Machine Communication ? Also mention its features.
 - (c) Write short notes on the following :---
 - (i) Mimic diagram
 - (ii) Alarm and event loggers.

4. Answer any two parts of the following :-- (10×2=20)

- (a) Write short notes on the following :---
 - (i) Redundant Dual Processor
 - (ii) Real Time Operation System Requirements.
- (b) Explain the multicontrol centers systems. Also mention their salient features and advantages.
- (c) Explain EMS and network data basis. Also give the details of EMS systems.
- 5. Answer any *two* parts of the following :— $(10 \times 2=20)$
 - (a) Explain the energy management center. Also discuss the advantages and limitations of energy management center.

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- (b) Discuss the distributed centers and power pool management. Also mention their advantages and disadvantages. Discuss the functions performed at a centralized management center in power system environments.
- (c) Explain the production control and load management economic dispatch in power system environments. Enlist the advantages and disadvantages of load management economic dispatch in systems.

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