Printe	ed Page	es : 1
	C	в.тесн.
		THEORY EXAMINATION (SEM-VIII) 2016-17
		SCADA
Time :	3 Hot	
		ecise in your answer. In case of numerical problem assume data wherever not provided.
		SECTION – A
1.	Expla	ain the following: $10 \times 2 = 20$
	(a)	What is data acquisition?
	(b)	Define RTUs.
	(c)	Define commonly acquired data.
	(d)	What is feedback loops?
	(e)	Define VDUs.
	(f)	What are application of SCADA?
	(g)	Define event loggers
	(h)	What is power line carrier.?
	(i)	Write the name of real time operation system.
	(j)	What is EMS.?
		SECTION – B
2.	Atten	inpt any five of the following questions: $5 \times 10 = 50$
	(a)	Explain general power system hierarchical Structure in detail.
	(b)	Discuss fiber optical channels advantage and disadvantages.
	(c)	Explain majored values and energy values of Control Functions.
	(d)	What are applications in process in industry - valve, opening, closing in control function?

Explain Machine Communication in details

Discuss modularization of software programming languages.

Explain redundant dual processor and multicontrol centers.

Explain various communication channels with example

Explain of the methods of data acquisition systems,

SECTION - C

 $2 \times 15 = 30$

Discuss printing facilities in details. Explain SCADA system structure.

Attempt any two of the following questions:

(e)

(f)

(g)

(h)

3 4

5