sem-I	INST/CSC	CB95	11-05-16
	system Components.		

		(3 Hours)	Total Marks: 80]
N.B.	: (1) Q	uestion No.1 is compulsory	
	(2) A	ttempt any three questions from remaining five questions.	
	(3) D	raw neat diagrams wherever required.	
	(4) A	ssume suitable data if required.	
Q 1.	Sol	ve any Five.	20
	B) C) D) E)	Write a short note on pneumatic pressure regulating valve. Give a difference between pump and compressor. Define transmitter and discuss need of transmitter and standardization of Draw flow characteristics of globe valve. Explain need of square root extractor. List out various technologies in-house and outdoor RFID system.	4 4 of signais. 4 4 4
Q2.	A)	Explain air distribution system with neat diagram.	10
	B)	Give classification of pumps and explain reciprocating pump in details.	10
Q3.	A)	Explain pneumatic differential pressure transmitter with diagram. Also v	write its
		calibration process.	10
	B)	Write a note on control valve actuators.	10
Q4.	A)	Give classification of feeders. Explain any one of them in detail.	10
	B)	Give limitations of flapper nozzle system. Explain volume booster in det	ail. 10
Q5.	A)	Give broad classification of switches with construction, symbol,	
		working and applications.	10
	B)	Compare: pneumatic, hydraulic and electric systems.	10
Q6.	W	ite short notes on:	20
	B) C)	Selection considerations for a control valve. Electrical to pneumatic converter. Synchros. Solid state relays.	

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