Con. 6281 - 13.

			(3 Hours)	[Total Marks: 100	
N.B.	: (1) (2) (3) (4)	Question No. 1 is compulsor Attempt any four out of rem Figures to right indicate ful Assume suitable data wherever	naining six question Il marks.	as.	
1. S	(a) (b) (c) (d) (e)	Explain piezoelectric transducer Explain the basic components o What are sources of errors in Q Differentiate between RTD and What are requirements of good	f a PLC in brief. meter ? How they Thermocouple.	affect on measurement.	20
2.	(a) (b)	Explain with neat diagram samp. Draw block diagram of SCADA		ain function of each block.	10 10
3.	(a) (b)	Explain digital phase meter? Dr Discuss impedance measuremen		arious points.	10 10
4.	(a) (b)	Explain following High frequence (ii) Reactance variation Method Explain with block diagram PC			10 10
5.	(a) (b)	Explain various principles used Explain with block diagram wor			10 10
6.	(a) (b)	What is chopper stabilized amplifier. Explain working of it with proper diagrams and waveforms at various points. Explain successive approximation type DVM.			10 10
7.	Writ	e short notes on any three :- a) Strain Gauge ((b) Digital Energy M (d) Digital Multimet		20
