22407

2312	4												
3 Ho	ours	/	70	Marks	Seat	No.							
Instru	uctions	ns – (1) All Questions are Compulsory.											
			(2)	Answer each	next main	Quest	ion	on	a n	ew	pag	ge.	
			(3)	Illustrate you necessary.	r answers	with ne	eat	sket	che	5 W.	here	ever	
			(4)	Figures to th	e right ind	icate fi	ull 1	marl	KS.				
			(5)	Assume suita	ble data, it	f neces	sary						
			(6)	Mobile Phone Communication Examination	e, Pager an on devices Hall.	nd any are no	oth ot pe	er H ermi	Elec	tron ole i	ic in		
												Ma	rks
1.	Atter	npt	any	<u>FIVE</u> of the	following	•							10
a)	Define :												
	i) Accuracy												
	ii) Drift												
b)	Defin	Define turndown of control valve.											
c)	List	any	four	basic control	action.								

- d) State principle of ultrasonic level transmitter.
- e) Define open loop control system.
- f) Draw sketch of air to open valve.

2.

3.

4.

e) Explain factor to be considered in valve selection.

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5. Attempt any <u>TWO</u> of the following:

- a) With the help of neat diagram, give principle and construction of spiral bimetallic thermometer.
- b) Explain construction and working of LVDT for pressure measurement.
- c) With the help of diagram explain air purge method for level measurement.

6. Attempt any <u>TWO</u> of the following:

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- a) Explain piston type variable area flowmeter with neat sketch.
- b) Describe PLC architecture.
- c) Explain valve characteristics.