



<b>2</b>	Attempt any <b>three</b> :	<b>18</b>
	(a) Explain digital displacement transducer	<b>6</b>
	(b) Explain 'Rosettes'	<b>6</b>
	(c) Explain 'Piezo-electric' transducer	<b>6</b>
	(d) Explain in brief sources of error in measurement system.	<b>6</b>
<b>3</b>	Attempt any <b>three</b> :	
	(a) Draw and explain basic block-diagram of the measurement system.	<b>6</b>
	(b) Define 'transducer'. Write factors affecting selection of transducer.	<b>6</b>
	(c) Explain variable resistance transducer	<b>6</b>
	(d) Explain variable capacitance transducer.	<b>6</b>
<b>4</b>	Attempt following questions:	<b>16</b>
	(a) Explain resistance temperature detector.	<b>5</b>
	(b) Define 'Noise'. Sources of noise in instrumentation system.	<b>5</b>
	(c) Compare zero-order and first order dynamic measurement system.	<b>6</b>

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