DIPLOMA ENGG III <sup>rd</sup> SEMESTE. Subject code: 331701 Subject Name: Transducer and Teler Time: 02:30 pm – 05:00 pm Instructions:  1. Attempt all questions. 2. Make suitable assumptions wher 3. Figures to the right indicate full		Enrolment No	
		me: Transducer and Telemetry ) pm – 05:00 pm  Tota	Marks: 70
Q.1	(a)	Differentiate active and passive transducer with definition and	07
Q.2	(b)	examples.  Define resistive transducer. Explain any one.	07
<b>~</b>	(a)	Explain working principle of piezo electrc transducer with application.	07
	(b)	Write short note on radio active tranducers. <b>OR</b>	07
Q.3	(b)	Write short note on strain gauge tranducers.	07
	(a)	State the types of photo electrical transducer.explain working principle of any one with application	07
	(b)	Explain semiconductor pressure sensor. <b>OR</b>	07
Q.3	(a) (b)	Draw and explain the blok diagram of general telemetry system. Compare pneumatic verses electronic telemetry systems	07 07
Q.4	(-)		07
	(a) (b)	Explain the working principle and application of fiberscope. Explain the working principle and application of Annunciator.  OR	07 07
Q. 4	(a) (b)	Draw and explain the positioning telemetry Define modulation technique. State the types of modulation. Explany one.	<b>07</b> Iain <b>07</b>
Q.5	(2)	White short note on "intrinsic sefets"	07
	(a) (b)	Write short note on "intrinsic safety" Explain working of I to V convertor using diagram.	07 07

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Explain hall effect transducer and its application

OR

State the types of temperature transducers. Explain any one in detail.

(a)

(b)

Q.5

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