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Code No: 155BO	r	R18
JAWAHA	ARLAL NEHRU TECHNOLOGICAL UNIVER B. Tech III Year I Semester Examinations, Febr ECTRONIC MEASUREMENTS AND INSTRU (Electronics and Communication Engineer) Answer any five questions All questions carry equal marks	RSITY HYDERABAD ruary - 2022 MENTATION
ranges of required for b) Explain th	Arsonval meter movement with an internal resistent of $I_m \neq 1mA$ is to be converted in to a multi 0-10V, 0-50V, 0-250V,0-500V. Determine the vor potential divider arrangement.	values of various resistances
and outline	e its applications	[6+9]
3.a) How can Elaborate.	e principle of working of Function Generator with AF and HF Signal Generators. you measure frequency using Lissajous figures	\triangle () [748] ()
b) Compare A	Analog Storage and Digital storage CROs.	[7+8]
4.a) Explain the b) Explain the limitation.	e working principle of Gyroscope and summarize it ne working of digital temperature sensing sy	ts application. /stem /and summarize its // // // // // // // // // // // // //
b) Construct the	you measure High pressure? Elaborate. he bridge circuit to measure inductance and expl develop relation for unknown Inductance.	lain how can you measure [6+9]
/—\ \ — b) /Explain—the	nunt ohmmeter and series ohmmeter. principle and working of heterodyne wave ana its applications.	alyzer with a neat sketch
7.a) Explain theb) Describe th application.	block schematic of CRO with a neat sketch and sum ne working principle of Piezoelectric transduce	ammarize its applications. acers and summarize its [7+8]
8.a) Develop a da b) What are the	ata acquisition system for measuring 2 parameters e dynamic characteristics of measuring instruments	
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