4TH SEM /ELECT/ EEE/ 2022(S)

		4 SEMI/ELECT/ ESE/ 2022(5)		
		TH-3 Electrical Measurement & Instrumentation Time- 3 Hrs		
Ful	l Mar	Answer any five Questions including Q No.1& 2 Figures in the right hand margin indicates marks		
1.		Answer All questions		2 x 10
	a	D. G		
	b/	State the types of measuring instruments.	/	
	c.	What are the three essential features of indicating instrument	s?	
	d.			
	e.			
	f.	Define creeping and what is its cause?		
	g.,	Write down two advantages of bridge circuits.		
	J/	/ Define transducer.		
	i.	State two uses of capacitive transducers.		
	j,	What is a CRO?		
2.		Answer Any Six Questions		6 x 5
۷.	a.	Write down the advantages of moving iron instruments.		
,	b.			
	ر. ج	What is a megger? Explain its construction with working pr	inciple.	
	d.	Define Hall effect. Write some applications of Hall effect tra	ınsducers.	,
	e.	State the operating principle of induction type wattmeter. Wi	rite down	
	C.	the advantages and disadvantages of it.		
	f	State the applications of CRO.		
	g	What is a thermistor? Write down the applications.		
	5			
3/	,	Explain Deflecting, controlling and damping arrangements in	n	10
7		indicating type of instruments.		
4 /	- 24	Describe Construction and principle of working of Dynamor	neter	10
)		type wattmeter.		
5_		Explain the principle of operation and working of dynamom	eter type	10
		single phase power factor meter.		
6.		Explain the construction and working principle of LVDT wi	th a neat	10
6		diagram.	1 / 11 %	
7 /	/	With a neat diagram, explain briefly the main parts of a cath	ode ray	10
﴿ / كُ		tube		1.