PARUL UNIVERSITY FACULTY OF ENGINEERING & TECHNOLOGY Diploma Engineering, Mid semester Examination

Semester: 3 rd Sem Subject Code: (03608205) Subject Name: Electronic Measurements and Instrumentation			Date: (09/08/2022) Time: (1hr: 30min) Total Marks: 40
	ructions:		
 Attempt all questions. Make suitable assumptions wherever necessary. 			
 3. Figures to the right indicate full marks. 			
4. English version is considered to be Authentic.			
1. LI			
Q.1	Answer any six out of Ten. (2 Marks Each)	(12)	
_	1. What is Accuracy?		
	2. What is Resolution in terms of measuremen	t?	
	3. List out Applications of CRO.		
	4. List of Different components of CRT.		
	5. What is the importance of delay line?		
	6. Define (i) Pulse width (ii) Duty cycle.		
	7. What are the limitations of Wheatstone brid		
	8. List different types of Errors.9. What is Sensitivity?		
	10.Define: Limiting error.		
02	A) Explain Maxwell's bridge.		(03)
~·-	ri) Explain maxion o orrager	OR	(00)
	A) Draw the diagram of CRT.		(03)
	B) Explain Hay's Bridge.		(03)
		OR	
	B) Explain Systematic Error.		(03)
	C) Explain Vertical Deflection system of CRC		(04)
		OR	
	C) Explain Anderson Bridge.	T 1	(04)
0.2	D) Explain any 4 components of Cathode Ray		(04)
Q.3	A) Explain Horizontal diflection system of CR	OR	(03)
	A) Draw Kelvin double arm bridge and discus		(03)
	B) Explain Multiple Trace CRO.	s its approactions.	(03)
	D) Enplain Manaple Made Citor	OR	(00)
	B) Explain Voltage Measurement in CRO.		(03)
	C) Explain Whetstone Bridge in detail.		(04)
	· - C	OR	
	C) Explain Digital Storage Oscilloscope.		(04)
	D)Draw and explain block diagram of CRO.		(04)