		· Tibrary, Mangalore	
	,	CBCS SCHEME	
USN			18AU35
		Third Somester B F. Degree Evamination Feb /Mar. 2022	
		Mechanical Measurement and Metrology	
Tin	ne: 3	3 hrs. Max. M	larks: 100
	N	ote: Answer any FIVE full questions, choosing ONE full question from each ma	dule.
		Madula 1	
		<u>Wiodule-1</u>	
1	a.	iv) Hysteresis v) Repeatability.	(10 Marks)
	b.	Classify errors, explain any two errors with neat diagram (if required).	(10 Marks)
		OR ii) Time delay iii) Threshold	
2	a.	iv) Loading effect v) Calibration.	(10 Marks)
	b.	Write the comparison between Line standard and End standard.	(10 Marks)
		With a this man available Solar comparator	(10 Marks)
3	a. h	With a neat diagram explain Solex comparator.	(10 Marks) (10 Marks)
	0.	whit a neat diagram explain orgina comparatery	
		OR	
4	a.	With a neat diagram explain the principle, construction and working of sine bar.	(10 Marks)
	b.	with a neat diagram explain Clinometer.	(IU Marks)
		Module-3	
5	a.	Name different mechanical transducer and with a neat diagram explain any one.	(10 Marks)
	b.	With a neat diagram explain Piezo-Electric transducer.	(10 Marks)
		OR	
6	a.	With a neat diagram explain Cathode-Ray oscilloscope.	(10 Marks)
	b.	With a neat diagram explain xy plotter.	(10 Marks)
		Module-4	
7	a.	With a neat sketch explain analytical balance.	(10 Marks)
,	b.	With a neat sketch explain Prony brake dynamometer.	(10 Marks)
0		With a past diagram explain eddy current dynamometer	(10 Marks)
0	а. b.	Explain preparation and mounting of stain gauge.	(10 Marks)
		Module-5	(10 Marks)
9	a.	Name the different ways in which the mating parts can be assembled together	and explain
	υ.	any two types.	(10 Marks)
		OR .	(10 Marks)
10	a.	with a neat diagram explain Micheod gauge.	(IV Marks)

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(10 Marks) (10 Marks)

With a neat diagram explain McLeod gauge. With a neat diagram explain optical pyrometer. a. b.