

$\mathbf{C}$	n	A	Δ	•	1	5	N.	1	F	2	2	T
	U	u	C	•	ı	J	78	1	L	J	J	ı

	 _		_	and the second section is a second second	-	
Register	,	5				
Number						

## III Semester Diploma Examination, Oct./Nov.-2019

## MECHANICAL MEASUREMENTS

Time: 3 Hours ] [ Max. Marks						
Note	e: (i) Answer any six questions from Part – A.  (ii) Answer any seven questions from Part – B.					
	PART – A					
1.	Define measurement and mention its requirements.	5				
2.	Define:  (a) Precision  (b) Repeatability	5				
3.	Explain with a neat sketch Piezo electric transducer.	5				
4.	Explain Strain Gauge Rosettes.	5				
5.	Define force and list any three force measuring instruments.	5				
6.	State the advantages and disadvantages of Resistance thermometer.	. 5				
7.	Explain the working Principle of Thermocouple.	5				
8.	List the various types of testing equipments used for machine tool alignment	test. 5				
9.	Differentiate between uni-lateral and bi-lateral tolerance.	5				
	1 of 2	Turn over				

Explain with a neat sketch clearance fit and interference fit.

Explain with a neat sketch checking of run-out of axis of centre in lathe.

5

5

19. (a)

(b)