Code: 15ME33T

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III Semester Diploma Examination, April/May-2019

MECHANICAL MEASUREMENTS

Tin	ue: 3 Hours] [Max. Marks: 10	100	
Inst	tructions: (i) Answer any six questions from PART – A. (ii) Answer any seven questions from PART – B.		
1.	Explain Systematic and Random Error.	5	
2.	Define: (a) Sensitivity (b) Accuracy (c) Threshold (d) Calibration FOXY ORO	5	
3. 4.	Define strain gauge and state its purposes. List the various piezo-electric materials.	5	
5.	State the difference between Resistance - thermometer and thermocouple.	5	
6.	Explain with neat sketch the working of revolution counter.	5	
7.	State the advantages of Resistance thermometer.	5	
8.	Explain with a neat sketch hydrometer.	5	
9,	Define the following terms: (a) Deviation (b) Actual size	5	