CDCS Salama

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USN		15	ME46B	
	L	Fourth Semester B.E. Degree Examination, June/July 2017 Mechanical Measurements and Metrology		
Tim	ie: 3	B hrs. Max. Mar	rks: 80	
	No	ote: Answer any FIVE full questions, choosing one full question from each mode	ule.	
		Module-1		
1	a. b.	Explain with a sketch, the meeting protection	(08 Marks) (08 Marks)	
		OR	•	
2	a.		ntages of (08 Marks)	
	b.	Show the arrangement of minimum angle gauges required to obtain the following a	` ,	
3	a.	Module-2 Define the terms: i) Limits ii) Fits iii) Tolerance.	(06 Marks)	
	b.	Illustrate the following types of gauges i) Snap gauge ii) Ring gauge iii) Plain plug gauge.	(10 Marks)	
		OR		
4	a. b.	Explain with a heat sketch, the working of 2022-	(08 Marks) (08 Marks)	
		Module-3	ina 2 uvina	
5	a.	With the setup, explain how effective diameter of a screw thread is measured us method.	(08 Marks)	
	b.	method.	(08 Marks)	
		OR	(00 Manks)	
6	a. b.	List the advantages of Dassis and Special applications of CMM?	(08 Marks) (08 Marks)	
		Module-4		
7	a.	Briefly explain the following terms: i) System response and time delay ii) Accuracy and error iii) Repeatability	(08 Marks)	
	b.	constitutions? Enlight the advantages of electrical		
		OR		
8	a. b.	O V	(06 Marks) (10 Marks)	
		Module-5	/00 M/	
9	a. b.	- ' · · · · · · · · · · · · · · · · · ·	(08 Marks) (08 Marks)	
		O.D.		

What is a thermocouple? Explain the Law's of thermocouple. Sketch and explain total Radiation pyrometers. (08 Marks) 10 (08 Marks)