CRCS Scheme

	Popo sename	
		15MR36
USN	Dec 2017/Jan 201	8
	Third Semester B.E. Degree Examination, Dec.2017/Jan.201	Ja v
	Mechanical Measurements and Methology	
		arks: 80
Tir	ne: 3 hrs.	le.
	Note: Answer FIVE full questions, choosing one full question from each modu	
<u> </u>	Module-1	(04 Marks) (06 Marks)
90 (10 m)	b. Explain with a neat sketch, international Prototype	(06 Marks)
**************************************	OR	
3agcs. 2	a. With a neat sketch, explain Autocollimator.	(10 Marks) (06 Marks)
aluator and cross lines on the remaining blank pages,	Module-2 Module-2 A sketch explain hole basis system and shaft basis system.	(10 Marks) (06 Marks)
Hines on the re	OR 4 a. With a neat sketch, explain LVDT. b. With a neat sketch, explain Zeiss – Ultra Optimeter.	(10 Marks) (06 Marks)
diagonal cross or ancora eyer	 5 a. Derive expression for effective diameter of screw threads by 2 wire methods. b. With a neat sketch, explain Gear tooth terminology. 	(10 Marks) (06 Marks)
igoriji, dram al to evalual	OR 6 a. Derive expression for best size wire. b. Explain with neat sketch, tool maker's microscope.	(10 Marks) (06 Marks)
evealing of identification, appeal to evaluated missing	 b. Explain with neat sketch, too makes Module-4 a. With a neat block diagram, explain generalized measurement system. b. Write classification of errors. 	(10 Marks) (06 Marks)
evealing of ide	OR 8 a. With a neat sketch, explain Cathode ray oscilloscope. b. Explain with a neat sketch, Oscillography.	(10 Marks) (06 Marks)

Module-5 (10 Marks) With a neat sketch, explain Absorption dynamometer. With a neat sketch, explain McLeod guage. (06 Marks) a. b. OR (10 Marks) With a neat sketch, explain Thermocouple. (06 Marks) 10 Explain Laws of Thermocouple. b.