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*** End ***	(B) Describe working of gear tooth vernier used in measurement of gear tooth thickness and depth. List down various types of sear error	any one type of mechanical comparators with neat sketch.	Q. 3 Solve Any One of the following.	(C) Define least count of vernier caliper & explain its significance.	Define any three a) limit b) Tolerance c) MML d) LML	Explain the use of sine center in measurement with neat sketch.	Solve Any Two of the following.	6. Bright fringe pattern is observed undera. Constructive interference b. Destructive interference c. Both a & b.	5. Least count of Micrometer is a. 0.01 b. 0.002 c. 0.001 d. 0.003		a) improve accuracy c) reduce weight 1	d) magnetic induction	in the property of	s on the princi	a) Dacklash c) lead correction b) pitch correction d) none of these	is called	The tooth profile of mating gears is kept uniformly thinned, which results in a small play between mating tooth surfaces. This	d) It is easily refracted.	c) The length of waves is known and unvarying.	a) It is easily sensed by the human eye.	What characteristic of light makes it a standard?	Solve all the Multiple Choice Questions		Instructions to the Students: 1. Assume suitable data wherever required. 2. Draw figure wherever necessary. 3. Figure to right indicates full marks.	9/2019	ubjec	Course: B. Tech in Mechanical Engineering Sem: V	Mid Semester Examination - Sep. 2019
	3/C02	3/C02		2/C02	2/C02	2/C02		1/C02	1/C02		1/C02		1/C02				1/C02				1/001		(Level/CO)		Duration: 1 Hr.	MECS05		