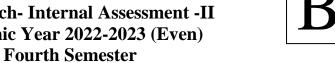


SNS College of Technology, Coimbatore-35. (Autonomous)

B.E/B.Tech- Internal Assessment -II Academic Year 2022-2023 (Even)



Mechanical Engineering 19MET205 – Metrology and Measurements

Time: 1^{1/2} Hours **Maximum Marks: 50**

Answer All Questions

		PART - A (5 x 2 = 10 Marks)			
				CO	Blooms
1.	State any two limitations of sine bar.			CO 2	Und
2.	List out the applications of auto collimator.			CO 2	Rem
3.	Define the module in gear measurement.			CO 3	Und
4.	Write short notes on profilograph.			CO 3	Rem
5.	Define the pressure angle.			CO 3	Und
		PART – B (2 x 13 = 26 Marks) and (1 x 14 = 14 Marks)	s)		
				CO	Blooms
6.	(a)	Review the angular testing method by using Auto Collimator.	13	CO 2	App
		(or)			
	(b)	List out the types of angular measuring instruments and explain the applications of the sine center.	13	CO 2	Und
7.	(a)	(i) Review the tool maker's microscope in screw thread	7	CO 3	Rem
		measurements (ii) Explain the gear tooth vernier caliper for gear measurements.	6	CO 3	Und
		(or)			
	(b)	Summarize the method of profilometer and tomlinson surface meter for surface finish measurement	13	CO 3	Rem
8.	(a)	Review the angular testing method by using clinometers and angle telescope.	14	CO 2	App
		(or)			
	(b)	List out the terminologies of screw thread and explain with neat sketch	14	CO 3	Und

CO - Course Outcome, Und- Understanding, Rem- Remembering, App-Apply, Ana-Analyze, Eva-Evaluate

Prepared by

Verified by

HOD/ Mech(Academics)