

Exam.Code:0940
Sub. Code: 33858

2056
B.E. (Mechanical Engineering)
Fourth Semester
MEC-404: Manufacturing Technology

Time allowed: 3 Hours

Max. Marks: 50

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting two questions from each Section. Make labelled sketches, wherever applicable.

x-x-x

1	i. What is the difference between steady rest and follower rest? ii. How slotter works? iii. Explain broaching process. iv. What is electroplating process? v. Write methods of cutting worm and worm wheels.	(2x5 =10)
	Section A(Attempt any two questions)	
2	a) Explain the relationship between different types of velocities in metal cutting.	5
	b) Explain modified Taylor's tool life equation along with sketch.	5
3	a) What are different thread cutting methods on Lathe machine?	5
	b) Explain the working of swiss type automatic screw machine	5
4	a) Explain the working of shaper machine alongwith quick return mechanism,	5
	b) How we can perform compound indexing for 51 divisions?	5
	Section B (Attempt any two questions)	
5	a) How do you codify grinding wheel?	5
	b) What are different types of errors in screw threads?	5
6.	a) Explain hobbing process of gear cutting.	5
	b) What are different gear finishing methods?	5
7	a) What is the difference between polishing and buffing?	5
	b) Explain different metal coating processes.	5

x-x-x