## M. Tech. 1st Semester (M.E.) (CBCS Scheme) Examination, November–2023 MICRO MACHINING PROCESS Paper–MTME21C1

Tin	ne all	owed: 3 hours]	[Maximum mar	ks : 100	
Note: Question No. 1 is complete questions selecting one questions carry equal materials.			mpulsory. Attempt to e question from each t	ulsory. Attempt total five uestion from each unit All	
1.	(a)			5	
	(b)		parameters effect the	surface	
	(c)	Explain Honing.		5	
	(d)	Material for MEMS		5	
		Uni	t-I		
2.	(a)	What are various adv	vantages of Non-Conve	entional 10	
	(b)	What are the variou Machining Process	s types of Non-Conve	ntional 10	
3.	(a)	What is the different New technologies in	ce between Convention  n Machining?	nal and 10	
•	(b)	What are the varimachining Process?	ous applications of	Micro 10	

## Unit-II

4.	Explain the following:			
00)	<ul><li>(a) Mechanical Transducers</li><li>(b) Optical Transducers</li><li>10</li></ul>			
5.	Explain Micro Electro Mechanical System? 20			
	Unit-III			
<b>6.</b> 2	Explain working Principle of ultrasonic machining with neat and clean sketch.			
7.c	Explain Electrochemical Machining with neat and clean sketch			
Par.	Unit-IV in tot is traisful (b)			
8.	Fyplain Electro discharge Machine with neat sketch and what are the various process of parameters involved in the process.			
9.	(a) Explain wire EDM process variables. 10			
61	(b) Criteria for selecting tool material for EDM 10			

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What are the carons applications of Micro-

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