B.Tech. (ME) 4th Semester F-Scheme Examination, May-2019 MANUFACTURING TECHNOLOGY-I

Paper-ME-202-F

Time allowed: 3 hours] [Maximum marks:1			
Noi	at	uestion No. 1 is compulsory. Students have tempt five questions in total, at least one question each section.	
1.	(a)	What is tooling economics?	5
	(b)	What is milling fixtures?	5
	(c)	What is fettling?	5
	(d)	What is soldering?	5
		Section-A	
2.	(a)	What are different tool material?	10
	(b)	Discuss the mechanics of chip formation.	10
3.	(a)	What is machinery economics and optimizati	on?
			10
	(b)	What are different metal cutting theories?	10
		Section-B	
4.	(a)	Explain the theories of plasticity in detail.	10
	(b)	Discuss the various types of screw gauge.	10
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5.	Exp	lain the following:	20			
	(a)	Auto-Collimator				
	(b)	Rolling theory				
		Section-C				
6.	(a)	What are various basic steps process?	in casting 10			
	(b)	Explain the constructional features machine in detail.	of shaper			
7.	Exp	lain the following:	20			
	(a)	Inspection and quality control				
	(b)	Lathe machine				
		Section-D				
: 8.	Defi	Define the welding. Explain any three welding process				
		etail.	20			
9.	Wha	at is the basic principle of Hot & Cold	working?			
		lain any three process in detail.	20			