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	Question Paper Code: 10879
	Question Laper Code . 10070
and the feet	M.E./M.Tech. DEGREE EXAMINATIONS, APRIL/MAY 2023.
	Second Semester
	Manufacturing Engineering
	MF 4203 – THEORY OF METAL FORMING
	(Regulations 2021)
Time: The	ree hours Maximum: 100 marks Answer ALL questions.
	PART A — $(10 \times 2 = 20 \text{ marks})$
1. List	out the applications of FEM in metal forming analysis.
3. Wha	ne Von-mises yield criteria. It are extrusion defects? It are the disadvantages of forging processes? In hydro forming process.
6. Wha	at are the formability tests for sheet metal?
7. Dist	singuish between orbital forming and isothermal forming.
8. Stat	te the advantages and disadvantages of high-speed extrusion.
	at is gliding velocity?
10. Wha	at is duplex and triplex steel rolling?
	PART B — $(5 \times 13 = 65 \text{ marks})$
11. (a)	Write the steps involved in drawing a Mohr's circle. And also write the assumption in plasticity.
	pour de trefte fair events. Or mainer affrequent (a)
(b)	With neat sketch geometrically represent Tresca and Von-mises yield criteria and distortion energy.

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