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			Reg. No. :				
		Ques	tion Pape	er Code : 53	302		
	Р	B.E./B.Tech. D	EGREE EXAM	IINATIONS, APRI	L/MAY 2019.		
				rth Semester			
			Mechatronic	s Engineering			
		ME 6352		TURING TECHNO	OLOGV.		
	(Co						
	(00	minon to . Ae		ineering/Automobil	le Engineering)		
Tim	e : Three	L	(Regula	tion 2013)			
1111	e:Inree	nours			Maximum: 100 n	narks	
			Answer AI	L questions.			
				× 2 = 20 marks)			
1.			ern allowances i	n sand casting.			
2.			casing defects.				
3.				tylene welding pro			
4.				lux in a welding pr	ocess?		
5.				planning process.			
6.			s of Abrasive Je				
7.	What is	s the main a ed with Hot (dvantage of inj Compression mo	ection molding for oulding?	thermoplastic par	rts as	
8.	Define	thermoplastic	materials.	A Chican diversity			
9.	Classify	the types of	extrusion.				
10.	Disting	uish between	open die forgin	g and closed die for	rging.		
			PART B — (5	< 13 = 65 marks)			
11.	(a) (i)	Explain th	he steps involve	ed in making green	sand mould.	(7)	
	(ii) Describe	any two types o	f patterns in the ca	sting process.	(6)	
				Or			
	(b) (i)			ciple of Centrifuga		(9)	
	(ii) Compare	Centrifugal & S	Semi Centrifugal C	asting.	(4)	
						t	

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(b) With aid of a neat sketch, explain the Electron Be List its applications and merits. 13. (a) Outline the common operations performed in the foisimple sketches: (i) Lathe. (ii) Shaper. Or (b) Discuss the working principle of the Ultrasonic Machand demerits. 14. (a) Explain the injection moulding process with the near Or (b) Describe in detail the Compression Blow Moulding vorted to the Wire Draw Or (b) Describe the principle steps involved in Powder Mean a flow chart and list its applications also. PART C — (1 × 15 = 15 marks) 16. (a) With a case study, explain any one of the Welding Interval of the Welding In	(8) (5) hining. List its merits (11 + 2) t sketch. (13) with the neat sketch. (13) awing Process. (13)
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a flow chart and list its applications also. ${\rm PART~C(1\times15=15~marks)}$	tallament managements.
	(13)
16. (a) With a case study, explain any one of the Welding	
industry.	Process carried out in
Or	
(b) What is the application of cylindrical grinding in the importance of cylindrical grinding with a case st	
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