http://www.kuonline.in Roll No. Total No. of Pages: 2 BT-1/D11 7514 Manufacturing Processes Paper: ME-103 E Time: Three Hours [Maximum Marks: 100 Note: Attempt FIVE questions in all, selecting at least ONE question from each Unit. All questions carry equal marks. UNIT-I (a) What is an accident? Explain in brief the causes of accident. (b) Write short notes on: Nodular Cast Iron Malleable Cast Iron. 10 Explain in detail the properties and application of the following: High Carbon Steel (ii) High Speed Steel 10 (b) Explain in brief the safety precautions associated with material handling. UNIT-II (a) Explain the various properties of moulding sand. 10 (b) Explain the different types of cores with the help of neat

Explain the various casting defects with causes and remedies.

sketches.

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UNIT-III

5.	(a)	(a) Explain in brief the various methods of hot extrusion with near		
		sketches.	10	
	(b)	Write short notes on :		
		(i) Cold bending		
		(ii) Stretch forming.	10	
6.	Des	Describe the various types of plant layout and the situation in which		
	each type is used. Also write the advantages of good plant layout,			
			20	
UNIT-IV				
7,	(a)	a) Show nomenclature of a single point cutting tool with the help		
		of neat sketch.	10	
	(b)	What is the difference between TIG and MIG Welding?		
		,	10	
8.	(a)	Explain various types of Chips with neat sketches.	10	
	(b)	Write short notes on :	10	
		(i) Arc crater		
		(ii) Electrode		
		(iii) Are blow		
		(iv) Flux.		

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