10	Regist	ration No₂;	210		210	210		210	2	210
	Total Number of Pages : 01								B.Tech. CMT4303	
					MAKING	ì	7-18	-		
10	210	210	210	Max I	: METTA, : 3 Hours Marks : 7(DE : C42(210		210	2	210
		Answer Ques The	stion No.1 e figures in						t.	
10	Q1 a) ²¹⁰ b) c) d)	Answer the following questions : Find out the theoretical % of Fe in Hematite and Magnetite. What is Boudouard equilibrium? ²¹⁰ ²¹⁰ ²¹⁰ ²¹⁰ ²¹⁰ ²¹⁰ What do you mean by topo-chemical reaction? Define the terms (with respect to B/F) i. Campaign ii. Tapping							(2 x 10) 2	210
10	e) f) ²¹⁰ h) i) j)	Draw a neat s Differentiate b Basicity of bos Give a typical	ketch of B/F etween direc sh slag is hig composition	et and indire her than fin of Indian P	ect reductio al slag-why ig Iron.	n.		and out. 210	2	210
	Q2 a) b)						ribe the	six internal	(5) (5)	
10	Q3 ^{°a0} a) b)								(5) (5)	210
	Q4 a) b)	Find out the 727°C. Given	% CO ₂ in Č	O-CO ₂ mix	ture in equ	uilibrium w	_	0₃-Fe₃O₄ at	(5) (5)	
10	210	3Fe ₂ O ₃ +CO=2	· · _		32969.92 -			210		210
	Q5 a) b)			• •			of DR pr	ocess.	(5) (5)	
	Q6 a) b)	· · ' •				last help in	B/F pro	ductivity?	(5) (5)	
10	Q7	Describe pelletisation technique and different process variables in brief. ²¹⁰							(10) ²	210
	Q8 a) b) c) d)	Blowing in Hanging	e diagram	ny TWO :					(5 x 2)	
10	210	210	210		210	210		210	2	210