Seat No.:		Enrolment No					
				ECHNOLOGICAL			
C	.biaat			-VII(NEW) • EXAMINATIO			<i>(</i>
	U	Code:2172	Rubber Plant & Process Engineering			Date:23/11/201	O
	-				Total Marks: 7	'n	
	tructio		1.00 1 1	,1			
	1.	Attempt all					
	2. 3.			otions wherever necessary. Idicate full marks.			
Λ1		_	_		n blook fillon	0	07
Q.1	(a) (b)	* *					07 07
	(2)	(i) Benzidine (ii) Methanol (iii) TMTD (iv) Ester plasticizer (v) Talc (vi)					
		Sulphur (vii)) Acrylon	itrile	•		
Q.2	(a)	What do you mean by toxicity? Explain chronic toxicity and acute toxicity in 0'					
C	()	detail with examples.					
	(b)	•					
	(b)	Why Good b	Industries? V	Vrite the benefits	07		
	(b) Why Good housekeeping is important for Rubber Industries? Write of Good Housekeeping.						U/
0.2	(a)		•		from financi	al angla	07
Q.3 (a) List all the information needed to judge the project from fi(b) Calculate breakeven point as percent installed capacity and						_	07 07
	(0)	from the following data:					U1
			Sr. No.	Particulars	Rs. in lac	es	
			1.	Total capital investment	20.00		
			2	Net Profit	9.0		
			3	Fixed Cost	7.0		
			5	Variable Cost	32.0 51		
			3	Income by sales OR	31		
Q.3	(a)						
	(b)	Calculate the working capital amount which a bank should grant to the					07
		company if it has following inventory:					
	Raw material inventory cost: Rs. 2,00,000/-						
	Stock in process cost: Rs. 3,50,000/- Finished goods inventory cost: Rs. 5,00,000/-						
0.4	()	· ·		•	Tr' D' 1	(E' (E' 1	0.5
Q.4	(a)	Describe in brief management philosophies: Just In Time, Right First Time and Total Quality Management.					07
(b) Which type of maintenance is generally employed in				in large scale	e industry?	07	
	(~)	Explain it in		as generally employed	101-50 Scar		3,
		-		OR			
Q.4	(a)	Write down the Merits of motion economy.					07
	(b) Explain any three methods for controlling fire hazards.						07
Q.5	· · · · · · · · · · · · · · · · · · ·						07
	(b) List the obstacles of an entrepreneur desiring to set up a small industry the Government is helping entrepreneurs in solving these obstacles?						07
						P.T.O	

Q.5 (a) Draw the plant layout diagram for O-ring manufacturing industry.

(b) Define the terms:-Peak power demand & Power factor. Explain the ways for conserving energy in rubber industry.

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