	DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE Winter Examination – 2022			
	Course: B. Tech. Branch: Electronics Engineering Semester: VII			
	Subject Code & Name: Process Instrumentation (BTEXPE703D)			
	Max Marks: 60	Date: 01/02/2023	Duration: 3 Hr.	
	 Instructions to the Students: All the questions are compulsory. The level of question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in () in front of the question. Use of non-programmable scientific calculators is allowed. Assume suitable data wherever necessary and mention it clearly. 			
0.1		6.11	(Level/CO)	Marks
Q. 1	Solve Any Two of the	TT 1	12	
A)	What are the controlled control?	Understand	6	
B)	Explain Heat Exchange	er Control Strategies in details	Understand	6
C)	Explain types and oper	ation of dryers.	Understand	6
Q.2	Solve Any Two of the	following.		12
A)	What are the operation	s of evaporators? And Explain Types evaporate	ors? Understand	6
B)	What is crystallization	operation? What are the types of crystallization	n? Understand	6
C)	How can crystallization	n be controlled?	Understand	6
Q. 3	Solve Any Two of the following.			12
A)	What is the basic opera	ation of distillation column?	Understand	6
B)	How do you control the	e bottom composition of a distillation column?	Understand	6
C)	What is reflux ratio con	ntrol? What controls the reflux in distillation?	Understand	6
Q.4	Solve Any Two of the	following.		12
A)	•	of reactor? What are the different types of react	ors? Understand	6
B)	_	e surge on a centrifugal compressor?	Understand	6
C)	Explain safety interloc	ks? What does a Burner Management System o	lo? Understand	6
Q. 5	Solve Any Two of the	following.		12
A)	<u> </u>	s of pumps? What are the types of pumps?	Understand	6
B)	What is the operation of		Understand	6
C)	_	of capacity control of centrifugal compressor?	Understand	6
		*** End ***		