		Reg. No. :							
		Question Pap	er Code:	59917					
	B.I	E. / B.Tech. DEGREE	EXAMINAT	ΓΙΟΝ, DEC	2020				
		El	ective						
		Chemical	Engineerin	g					
	1	5UCH923- CHEMICA	AL PROCES	S PLANT S	SAFETY	7			
		(Regul	ation 2015)						
Dur	ration: One hour				Maximu	ım: 30) Ma	.rks	
		PART A - (6	$5 \times 1 = 6 \text{ Ma}$	rks)					
		(Answer any six of t	he followin	g questions)				
1.	The product of pro	bability of the event the	at might occ	cur and seve	rity of			CO1	- I
	(a) Accident	(b) Hazard	(c) Risk		(d) No	ne of	the a	bove	
2.	•	nanagement is the brandle		agement wh	nich is			CO1	- I
	(a) Reducing	(b) Controlling	(c) Elim	ninating	(d) Al	l of th	ie ab	ove	
3.	Method of mainten	ance made after the eq	uipment is c	out of order				CO2-	- R
	(a) Scheduled	(b) Preventive	(c) Bre	eakdown	(d)	Predi	ictiv	e	
4.	The most importar	nt initiating factors for	the runaway	reactions a	re.			CO2	!- I
	(a) Incorrect charging		(b) inadequate cooling						
	(c) both a and b		(d) noi	ne of the abo	ove				
5.	Implementation of	safety can be through						CO3	- I
	(a) Safety Audit	(b) Safety Week	(c) Safety	Day ((d) All o	f the a	abov	e	
6.	A self propagating	reaction of a material v	with oxygen	in air is				CO3	- I
	(a) fire	(b) loss	(c) dec	composition	(d) n	one of	the	above	e
7.	Decibel (db) is a unit used to measure							CO4	I
	(a) Light	(b) Sound	(c) Fre	equency	(d) N	lone o	f the	abov	'e

8.	Which of the fol	C(04- R						
	(a) Good Housel	keeping	(b) Good Maintenance						
	(c) Secure Guard	ling and Cleanliness	(d) Controlling environmen	(d) Controlling environmental conditions					
9.	Safety Audit is a	systematic process of	of	CO	05- R				
	(a) Reviewing	(b) Evaluating	g (c) Monitoring (d) All	of the abov	e				
10.	Employee's State	CO	D5- R						
	(a) sickness	sickness (b) maternity (c) employment injury (d) a							
		PART	– B (3 x 8= 24 Marks)						
		(Answer any th	rree of the following questions)						
11.	Explain the elem	CO1- U	(8)						
12.	Elucidate the saf	CO2- U	(8)						
13.	Explain the type process industrie	CO3- U	(8)						
14.	Explain the tools	CO4- U	(8)						
15.	Discuss the role safety in industri		n by the government for ensuring	CO5- U	(8)				