**和特别的** 

## CVM UNIVERSITY

## M.Sc. (Industrial Hygiene and Safety) Semester-I Examination-2021 Winter Examination Monday , 1/3/2021

## 02:00 PM to 04:00 PM

		PAPER	CODE: 101360104:	Safety Engineering	- I	
	ages -				<b>Total Marks:</b>	60
Not		Attempt all questions				
,	(2)	Figures to the right in	dicate marks.			
Q1	Multi	iple Choice.				8
CN	i.	What should be the fa	ctor of safety for Lifting	g Equipment?		
(A)	)	a. Four	b. Three	c. Two	d. Five	
	ii.	To determine plant lay				
mile	gi bers	a. Two	b. Three	c. Four	d. Six	
	iii.	Cleanliness means the	place is free from			
	m.	a. Dust	b. Dirt	c. Trash	d. Ali of the above	7
		a. Dust	D. Dift	c. masii	d. All of the above	
	iv.	The contact point of ty	vo opposite moving wh	eels is known as		
*		a. Dip	b. Nip	c. Pip	d. Kip	
	Ť	State Spin - 1			5-90 Vict.	
	٧.	In the abbreviation TP	M, the letter "P" means	S		
		a. Preventive	b. Predictive	c. Productive	d. Preservative	
	(£)		4			
	vi.	Luminance means the			1 41 1 1	
		a. Reflected	b. Refracted	c. Radiated	d. Absorbed	
	vii.	Which of the following	is the most hazardous	zone?		
	VII.	a. Zone II	b. Zone I	c. Zone 0	d. Zone III	
		d. Lone II				
	viii.	Which of the following	is the best stage of Fire	e to be extinguished?		
		a. Extinction	b. Spread	c. Propagation	d. Inception .	
- 6						
1.1	Write	TRUE or FALSE for the				8
	i.	Usual unit in practice for				
B)	1	Static Generation phas				
1	iii.	Baily Button Rule of Erg			guard.	
90	iv.	Machine Tool is a cutti	7	ine. nmends third order leve	arago.	
	v. vi.	"Seiso" means cleaning		interius tilitu order leve	riage.	
	vii.	PIPA is a software.	•			
	viii.		most preferred machi	ne guard for power pre	SS.	
	VIII.	TWO Harta control to the			13	
0.9	Answe	er in brief (Any Six ).				12
32	i.	<b>Explain Separation Dist</b>	ance.			
	ii.	Sketch crawling board.				
	iii.	What do you mean by	edge sheathing of hand	tools?		
	iv.	Classify ropes.			180	
	٧.	Differentiate Hoist and				
	vi.	Enlist various types of (	Circuit Breaker.			
SR .	vii	Sketch Scaffold	(A)			
	viii	Define BLEVE		*		

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**Descriptive Questions** 

	What are the citing criteria for a Industrial Dlant	(00)	
Q. 3	What are the citing criteria for a Industrial Plant.	(08)	
	OR		
Q.3	Concept of "Five S"	(08)	
Q. 4	Explain safety measures to be taken for atleast four machines seen at the		
	ADIT workshop.		
	OR		
Q. 4	Explain various types of Guards what is		
	Zero mechanical state (ZMS)		
Q. 5.	Purpose and benefits of good lighting and importance of maintenance for		
	lighting and colour.		
	OR		
Q. 5	What is Lock Out and Tag Out ,explain static electricity with example		
Q.6	Explain Fire Phenomenon, Chemistry of fire, Stages of fire and		
	Factors contributing to fire.		
	OR		
Q. 6	Explain Work Permit system and its types also prepare a Confined space	(08)	
	work Permit.		