		Ilment No:
	PARUL UNIVERSITY	
	FACULTY OF ENGINEERING & TECHNOLO	OGY
	B. Tech winter 2022- 23 Examination	
Subj	ester: 7 ect Code: 203109438 ect Name: Industrial Safety and Maintenance Engineering	Date: 11/10/2022 Time: 10:30am to 1:00pm Total Marks: 60
	uctions:	
	l questions are compulsory.	
	gures to the right indicate full marks.	
	ake suitable assumptions wherever necessary.	
4. Sta	art new question on new page.	
Q.1	Objective Type Questions-(All are compulsory) (Each of one mark	k) (15)
1.	The down time cost consists of	
	(A) Loss of production	
	(B) Wages paid to the workers	
	(C) Reduction in sales	
	(D) All of the above	
2.	State two objectives of Maintenance.	
3.	Define Surface Fatigue.	
4.	Advantage of spline joint over key joint.	
5.	Write any two functions of threaded assembly	
6.	Full form of FMECA	
7.	Define "Modernization"?	
8.	Define "Degreasing"	
9.	Belt of an electric motor is broken, it needs	
	(A) Corrective maintenance	
	(B) Scheduled maintenance	
	(C) Preventive maintenance	
10	(D) Timely maintenance	
	Use of chromium plating. Use of Gnatt Chart in Maintenance work.	
		vallad uman?
12.	Which safety feature is system that does not do any work until it is c (A) Passive Safety	taned upon?
	(B)Active Safety	
	(C)Anyone of other two	
13.	· · · · ·	
	(A) Integrity is established at the design stage	
	(B) Technical integrity is maintained throughout the life cycle of the	e asset
	(C) All of the above	
14	. Industrial safety management is that branch of management, which	is concerned with

hazards from the industries.

- (A) Reducing
- (B) Controlling (C) Eliminating
- (D) All of the above
- 15. With increase in preventive maintenance cost, breakdown maintenance cost
 - Increases (A)
 - (B) Decreases
 - (C) Remains Same

A) What do you mean by FTA?	
B) How to eliminate hazards?	
C). Explain the procedure of ensuring safety in planning	
D) Explain CPM (critical path method) for scheduling maintenance work?	
Q.3 A) Discuss factors to be considered for Accident Preventions (0	07)
·	08)
OR B) How FMEA technique work?	08)
Q.4.A) Discuss about the method of assembly and fitting with respect to different equipment. (07)) 7)
OR	
A) What is corrosion? Discuss about the electrochemical process for corrosion (07)	7)
B) Name Different types of Maintenance and explain any two (08	8)