Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VI (NEW) - EXAMINATION – SUMMER 2016 Subject Code:2160504 Date:11/05/2016 Subject Name: Pollution Control, Safety & Health Management			16
T	ime: struct	10:30 AM to 01:00 PM Total Marks:	: 7 0
Q.1	(a)	Explain working principle and industrial applications of Pressure safety valve and Rupture disc.	07
	(b)	List out various types of explosion and explain in brief.	07
Q.2	(a) (b)	Write a brief note on wages and payment Acts. Explain in brief about various Personal Protective Equipments. OR	07 07
	(b)	Explain in brief about Fault tree and Event tree analysis for risk assessment	07
Q.3	(a) (b)	Write a short note on Factory Act. State the techniques for Hazard identification. Explain any one in detail. OR	07 07
Q.3	(a) (b)	What are the different components of safety program to enhance the safety in process industries? Mention steps of safety audit. Discuss about various equipments used to arrest the particular matters from	07 07
	(0)	effluent gas.	U/
Q.4	(a) (b)	List out various cycles prevailing in nature. Discuss any one in detail. What is Environmental Impact Assessment (EIA)? Give and Explain the factors to be considered while doing EIA. OR	07 07
Q.4	(a)	Give and Explain the different sources and causes of environmental pollution. Explain its effects on human health.	07
	(b)	Write a short note on Solid waste management.	07
Q.5	(a) (b)	Write a brief note on onsite emergency control and offsite disaster management. Explain various types of Plume and Puff models of dispersion. OR	07 07
Q.5	(a) (b)	Write short note on advanced waste water treatment methods. Explain source model of flow of fluids through pipes.	07 07
