Se	eat No.:		
		GUJARAT TECHNOLOGICAL UNIVERSITY	
		M. E SEMESTER – II • EXAMINATION – SUMMER • 2014	
\mathbf{S}	ubject	code: 1721709 Date: 25-06-2014	
		Name: Environmental and Occupational Health and Safety	
		2:30 pm - 05:00 pm Total Marks: 70	
Iı	nstruc	tions:	
		Attempt all questions.	
		Make suitable assumptions wherever necessary.	
	3.	Figures to the right indicate full marks.	
Q.1	(a)	Define:	7
	()	(1) Ergonomics (2)Disaster	
		(3) Environmental performance (4) Prevention of Pollution	
		(5) Occupational Environment (6) Threshold Limit value	
	(b)	(7) Hazard and Hazard Identification Give the classification of Accidents.	7
	(6)	Give the classification of recidents.	•
Q.2	(a)	Explain the Environmental performance evaluation (EPE) and its objective.	7
	(b)	Explain Occupational Health and Safety management system model for OHSAS	7
		18001.	
	(b)	OR Describe types of Emergency plan and Explain any one in detail.	7
	(6)	Describe types of Emergency plan and Explain any one in detail.	
Q.3	(a)	Discuss the concept of ISO 14000.	7
	(b)	Explain objective, methodology and benefits of Environmental Audit.	7
O 3	(a)	OR Enlist different Accident causation theories and explain any one in detail.	7
Q.3	(a) (b)	Describe effect and hazards of noise along with control.	7
Q.4	(a)	What do you mean by fire extinguisher? Enlist different types of fire extinguisher	7
	` /	and explain any one.	
	<i>a</i> .		_
	(b)	What do you mean by Personal Protective Equipment (PPE)? Explain any two respiratory protective equipment.	7
		OR	
Q.4	(a)	What are the aim and objective of Environmental Labeling?	7
	(b)	What is the role of :Life cycle assessmentøin Environment impact	7
		Assessment as per ISO 14040.	
Q.5	(a)	Short Note: Risk Management	7
Q.S	(a) (b)	Enlist the different occupational Diseases and explain engineering control for	7
	(~)	prevention it.	
		OR	
Q.5	(a)	Explain the principles of First Aid and Enlist various events demanding first Aid.	7
	(b)	Describe in brief various methods of machine safe guarding.	7
