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BME-030

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B.Tech. MECHANICAL ENGINEERING (COMPUTER INTEGRATED MANUFACTURING)

Term-End Examination, 2019

BME-030 : SAFETY ENGINEERING					
Time:	3 Hour	[Maximum Marks	: 70		
Note:	Answe marks.	r any seven questions. All questions carry e	qual		
1.	(a)	What is occupational safety? Describe reasons for risks to the safety and health worker in the workplace.			
	(b)	Describe the role of protective gears personnel and guards for equipment machines in controlling injuries.			
2.	(a)	What is meant by environmental pollution Describe the pollutants of air and also disgreenhouse effect.			
	(b)	What are the soil pollutants and their effective of the pollutants of water and how enter into water?			
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3 .	(a)	Describe the provisions of the Factories A	Act [5]
	(b)	What is ISO 14000 series? Describe components and the documents included.	it:
4.	(a)	What are the different types of plastics that used commercially? What are the differ products in plastics which are discarded wastes?	en
	(b)	Describe plastic recovery and discuss its viabi	ility [5]
5.	(a)	Describe an Ideal safety organisation for a la scale industry.	rge [5]
	(b)	Explain various work related operations for whe safety precautions are compulsory.	nich [5]
6.	(a)	How should medical help and first-aid be provided in the workplace?	ded [5]
	(b)	Define Hazard. How is hazard analysed?	[5]
7.	(a)	Describe the principles of gas detection industrial environment.	ir [5]

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- (b) What is incineration? What are the different incineration technologies? What are the advantages of Rotary Kiln? [5]
- 8. (a) What are the diseases commonly suffered by industrial workers? [5]
 - (b) Explain the importance of record-keeping on incidents of ill health and injuries in an industry.[5]

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