

## Model Question Paper (CBCS Scheme)

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### Sixth Semester B.E. Degree Examination Occupational Health and Safety

TIME: 03 Hours

Max. Marks: 100

Note: 01. Answer any **FIVE** full questions, choosing at least **ONE** question from each **MODULE**.

Module -1			*Bloom's Taxonomy Level	Marks
Q.01	a	Explain the National safety Policy.	L2	10
	b	Explain Supervisory role in accident Investigation.	L1	10
OR				
Q.02	a	Briefly explain the rationale for the OSH Act.	L2	10
	b	Briefly explain methods of acquiring accident facts.	L2	10
<b>Module-2</b>				
Q. 03	a	Explain the need for ergonomic job hazards analysis and how it can conducted.	L2	10
	b	Explain in detail fault tree analysis and Human error analysis.	L2	10
OR				
Q.04	a	Explain ergonomics program and its elements in detail.	L1	10
	b	What are the components of an emergency response plan? Discuss in brief.	L2	10
<b>Module-3</b>				
Q. 05	a	What is fire Extinguisher? Classify fire extinguishers and explain in detail.	L2	10
	b	Explain the stages of fire development and factors affecting fire severity.	L1	10
OR				
Q. 06	a	Explain the technical requirements of product safety.	L2	10
	b	Write note on electrical safety.	L1	10
<b>Module-4</b>				
Q. 07	a	Discuss Environment management Plan.	L2	10
	b	Explain in detail types and advantages of Personal protective Equipment's (PPE).	L2	10
OR				
Q. 08	a	Explain various types of occupational diseases and their spread. Also suggest preventive measures to curb the spread.	L2	10
	b	Explain different types of exposure in work place and their effects.	L1	10

<b>Module-5</b>				
Q. 09	a	Explain Occupational health and safety considerations in water and wastewater treatment.	L2	10
	b	Explain the roles and responsibility of workers and managers in occupational safety and health hazard.	L2	10
OR				
Q. 10	a	Explain Occupational health and safety considerations in RMC plant.	L2	10
	b	Explain OSHA consideration in i) Construction site ii) Chemical industry.	L1	10