



# MANIPAL INSTITUTE OF TECHNOLOGY

MANIPAL

(A constituent unit of MAHE, Manipal)

## MANIPAL INSTITUTE OF TECHNOLOGY

### II SEMESTER M.TECH (ENVIRONMENTAL ENGINEERING)

#### END SEMESTER EXAMINATION

#### Occupational Safety and Health (CIE 5414)

( )

TIME: 3 HRS.

MAX. MARKS: 50

- Note: 1. Answer all questions.  
2. Any missing data may be suitably assumed.

Q. NO	QUESTION	MARKS	CO	BL
1A	Differentiate consequence and risk in safety.	2	1	3
1B	Write a short note on “Istanbul Declaration on Safety and Health at Work”.	3	1	3
1C	Explain various responses to toxicants.	5	3	3
2A	Explain different types of fire extinguishers and its characteristics.	5	2	3
2B	Write a short note on The Factories Act, 1948	3	1	3
2C	Write a short note on Asbestos Hazard	2	2	3
3A	Explain the design of toxicology experiment.	3	2	3
3B	Explain the effect of airborne toxicants	4	3	3
3C	Explain positive and negative pressure of Self-Contained Breathing Apparatus(SCBA).	3	2	3
4A	Explain risk assessment matrix.	4	3	3
4B	Explain safety layer of protection.	4	3	3
4C	Write a short note on Cumulative Trauma Disorder.	2	4	3
5A	Write a short note on cardiopulmonary resuscitation	4	4	3
5B	Explain classification of failure.	4	5	3
5C	List different steps in Fault Tree Analysis.	2	5	3