

B.M.S. College of Engineering, Bengaluru-560019

Autonomous Institute Affiliated to VTU

August 2024 Supplementary Examinations

Programme: B.E.

Branch: Institutional Elective

Course Code: 21CV8OEOSH

Course: Occupational Safety And Health Administration

Semester: VIII

Duration: 3 hrs.

Max Marks: 100

Instructions: 1. Answer any FIVE full questions, choosing one full question from each unit.
2. Missing data, if any, may be suitably assumed.

Important Note: Completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. Revealing of identification, appeal to evaluator will be treated as malpractice.			UNIT – I	CO	PO	Marks
	1	a)	Explain the right-to-know laws OSHA law	CO 1	PO1	10
		b)	Explain the Concept of the Occupational Safety and Health Act	CO 1	PO1	10
			UNIT – II			
	2	a)	Explain the basic steps in accident prevention with the schematic diagram	CO 2	PO2	10
		b)	Discuss the accident investigation and analysis	CO 2	PO2	10
			UNIT - III			
	3	a)	Explain the types of fire and fire triangle with its significance	CO 3	PO1	10
		b)	What is a fire extinguisher? Classify the fire extinguisher and explain in detail	CO 3	PO1	10
			UNIT – IV			
	4	a)	Define Ergonomics. Explain the measures taken to prevent ergonomic hazard.	CO 3	PO1	10
		b)	With the flow diagram explain the human error analysis	CO 3	PO1	10
			OR			
	5	a)	Define Ergonomics. Summarize worksite analysis program for ergonomics	CO 3	PO1	10
		b)	Discuss about Heinrich domino theory of accident causation	CO 3	PO1	10
			UNIT – V			
	6	a)	Explain the cause and the symptoms of tennis elbow and Guyon's canal syndrome	CO 3	PO1	10
		b)	Discuss on musculoskeletal disorders at the workplace	CO 3	PO1	10
			OR			
	7	a)	Discuss on occupational health and toxicology	CO 3	PO1	10
		b)	Discuss on various health and safety considerations to be adopted in operation and maintenance of waste water treatment plant.	CO 3	PO1	10
