


Name:			
Enrolment No:			
UPES End Semester Examination, May 2024			
Course: Occupational safety and industrial hygiene Program: B.Tech-Fire and Safety Engineering Course Code: HSFS 2020		Semester: IV Time : 03 hrs. Max. Marks: 100	
Instructions: Read the question properly and give the most relevant answer.			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q 1	Define the term dust and its significance of size in causation of occupational diseases.	4	CO1
Q 2	Health surveillance is necessary. Justify the statement.	4	CO3
Q 3	List some of the good personal hygiene practices to be followed in paint shop.	4	CO1
Q 4	Explain the routes of entry of hazards in human body at workplace with example	4	CO2
Q 5	Differentiate TLV TWA and STEL	4	CO4
SECTION B (4Qx10M= 40 Marks)			
Q 6	Discuss Ultraviolet radiation in details with its hazards and control measures.	10	CO1
Q 7	Examine Silicosis and phenomena of causation elaborately.	10	CO2
Q 8	Analyze the Lead metal as an occupational safety expert.	10	CO3
Q 9	There is a huge exposure of CO and CO ₂ gases in your industry using Hydro carbon as a fuel, can you explain to your management the health effects and control measures of the above gases. (OR) Classify occupational hazards with examples	10	CO1
SECTION-C (2Qx20M=40 Marks)			
Q 10	Explain the importance of preventing Thermal heat stress in the workplace and prepare a heat stress control strategy for industry of your choice. (OR) Prepare a personal hygiene plan for the workers in sewage treatment plant and for workers in cement industry.	20	CO4
Q 11	Discuss elaborately about the possible health issues in semiconductor industry with a support of case study	20	CO3