


Name:			
Enrolment No:			
UPES End Semester Examination, May 2023			
Course: Occupational health and hygiene management Program: B.Tech-Fire and Safety Engineering Course Code: HSFS 3004 Instructions: Read the question properly and give the most relevant answer.		Semester: VI Time : 03 hrs. Max. Marks: 100	
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q 1	Differentiate between Toxicology and Pharmacology	4	CO4
Q 2	Differentiate Ionizing and Non-Ionizing radiation with examples	4	CO4
Q 3	Explain the significance of measuring Particulate Matter 2.5 micrometers (PM.2.5)	4	CO3
Q 4	Discuss the importance of personal hygiene	4	CO2
Q 5	List the legal requirement is First Aid box.	4	CO1
SECTION B (4Qx10M= 40 Marks)			
Q 6	Explain any 2 Air sampling techniques in detail.	10	CO2
Q 7	Examine Asbestosis and phenomena of causation elaborately.	10	CO4
Q 8	Analyze the Chromium 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) Explain Minamata disaster in detail.	10	CO1
SECTION-C (2Qx20M=40 Marks)			
Q 10	Explain the importance of emergency response in industry and prepare an emergency response plan for an industry of your choice. (or) Write about medical surveillance in detail and prepare a model report on medical surveillance for a person who worked in your industry for 10 years.	20	CO4 & CO2

Q 11	Explain any 3 ionizing radiations, its property, monitoring techniques and control measures in detail and Prepare a safe work procedure for operating radiation source in your industry (choose the industry other than nuclear powerplant)	20	CO2 & CO3
------	---	----	--------------