


Model Question Paper (Blank) is on next page

Name:			
Enrolment No:			
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, December 2022			
Programme Name: M.Tech-HSE		Semester : I	
Course Name : Occupational Health and Safety Management		Time : 03 hrs	
Course Code : HSFS 7003		Max. Marks: 100	
Nos. of page(s) : 2			
Instructions: Read the question properly and give the most relevant answer.			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q 1	List the different chemical hazards	4	CO1
Q 2	Discuss the health effects of coal dusts	4	CO1
Q 3	Explain some of the good personal hygiene practices to be followed by a worker in COVID 19 treatment wards.	4	CO2
Q 4	Differentiate local and systemic effect.	4	CO3
Q 5	Explain the objectives of first aid.	4	CO2
SECTION B (4Qx10M= 40 Marks)			
Q 6	Though chromium is widely used metal it is the toxic in nature. Present your views on chromium in detail	10	CO2
Q 7	Explain the concept of thermal heat stress with its health effects in detail.	10	CO2
Q 8	Discuss ergonomics with a real time examples and its need in detail.	10	CO3
Q 9	Prepare a study material on CPR to be circulated to your employees. (OR) Explain any 2-cancer causing agent, its exposure standards and preventive measures in detail.	10	CO1
SECTION-C (2Qx20M=40 Marks)			
Q 10	a) Present your views on “Karoshi” term in Japanese which is known as overwork death. b) Provide your comments on, do workplace affects the mental health of workers resulting accident.	20	CO4

Q11	<p>Ionizing radiations are most hazardous in nature. Develop a safe working plan for the work place handling highly hazardous ionizing radiations considering its effect in human beings.</p> <p style="text-align: center;">(OR)</p> <p>Prepare an elaborate plan on medical surveillance system for a new company where you are appointed as Safety officer.</p>	20	CO2
-----	--	-----------	------------