Name: Enrolment No:		<b>₩</b> UPES	
LINUXEDGUEN OF DEEDOL BUILD AND ENERGY GRUDIEG			
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES Online End Semester Examination, May 2021			
Omnie End Schiester Endminderon, May 2021			
Course Name: Safety in Construction  Programme: M Tech- HSE/ DM  Semester: II  Time: 03 Hou			•••
Course Code: HSFS 7010 Max. Marks:			
Course Cours. 11313 7010			100
SECTION A			
1. Each Question will carry 5 Marks			
2. Write only the short answers.			
Sr.	Question		CO
No.			
Q 1	List the various safety challenges included for carrying out underwater works.		CO1
Q 2	Appraise your concern over the need of general provision required in BOCW.		CO2
Q3	Explain the employee safety concerns for the demolition activities.		CO1
Q 4			CO4
0.5	Comment in favour of "the need of penalty system against non-compliances of legal provisions".		GO1
Q 5	Name the various classification of scaffolding system		CO1
Q 6 Distinguish direct and indirect cost.  SECTION B			CO3
Each question will carry 10 marks			
Q 7			
Q /	work for executing viaduct casting activities with following details:		CO5
	Activity Name: Formwork for cast in Setu slab		
	Height: 10 Mtr		
Q 8	Highlight the major reasons for workers migration in construction sectors and their impact on		
	construction safety.		
Q 9			CO1
	general safety measures while using construction equipment/ machinery at worksite.		
Q 10	Being an expert, write the recommendation for improvin		CO3
0.11	based on legal and other requirements towards preparati		00.4
Q 11	Defend with an example, how the OHS legal provision	on requirements are most essential for	CO4
maintaining good safety culture.  SECTION C			
1. Each Question carries 20 Marks.			
2. Instruction: Write long answer.			
Q 12	Develop a lifting plan for the following activity:		
Q 12	Work: Loading U Shape Pre-Cast Concrete Material (Lo	oading of U shape structure on trailer)	
	Load to be lifted: 20 MT	· · · · · · · · · · · · · · · · · · ·	
	Location: Near to the live road and also adjacent to OHE Lines.		
	Other information: The site condition is such a way that, crane is to be placed almost on the		
	maximum radius and has to sway near to the OHE lines.		CO5
	OR		
Create a group risk assessment for the following activities/ details:			
	Activity: Reinforcement work; (It includes the handling of rebars, cutting and finally binding		
]	of rebars at the height of 10m)		