

Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, JULY , 2020

Course: SAFETY, HEALTH AND ENVIRONMENT MANAGEMENT.

Semester: VIII

Program: B.Tech(APE+Gas specialization)

Time 03 hrs.

Course Code: ENVO405

Max. Marks: 100

Instructions:

SECTION A(30 Marks)

Answer all the questions

S. No.		Marks	CO
Q 1	Safety means a) Loss prevention. b) The prevention of accidents through the use of appropriate technologies. c) Hazard identification. d) A measure of human injury.	5	CO1
Q 2	The OSHA incidence rate is based on a) Cases per 100 worker years. b) Cases per 200 worker years. c) Cases per 1000 worker years. d) Cases per 300 worker years.	5	CO2
Q 3	Occupational injury involves a) An injury such as a cut, sprain or burn that results from a work accident. b) An abnormal condition. c) Injuries that result in death. d) Seriously ill condition.	5	CO2
Q 4	Hazard identification is a part of ----- and involves -----.	5	CO3
Q 5	The Dow Fire and Explosion Index is a part of ----- and is a basic concept of ----- -----.	5	CO4

Q6	The Seveso , Italy disaster occurred in the year----- and due to spill of -----chemical.	5	CO4
SECTION B(50 marks)			
Q 7	Elucidate on American Institute of Chemical Engineers fundamental canons and Code of Ethics.	10	CO4
Q 8	Discuss various types of source models.	10	CO4
Q 9	Describe in details different types of toxic release and dispersion models.	10	CO5
Q 10	What do you mean by Material Safety Data Sheets?	10	CO4
Q11	What do you mean by relief models? OR Discuss safety procedures and design.	10	CO5
SECTION-C(20 marks)			
Q 12	Discuss fires and explosions. OR Discuss industrial hygiene.	20	CO5