

Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, May , 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:

Multiple Choice Questions ☹️ (6*5=30)

1. TLV-TWA means (5)
 - a) Threshold limit value- Ceiling Limit
 - b) Threshold- Time weightage average.
 - c) Threshold- Short Time Limit
 - d) Boundary Limit.

Answer-b

2. The expectation of the presence of workplace hazards is(5)
 - a) Identification.
 - b) Evaluation
 - c) Anticipation
 - d) Control.

Answer- c

3. Dose versus response is a part of science of(5)
 - a) Medicine
 - b) Toxicology
 - c) Engineering
 - d) Biotechnology

Answer-b

4. The Bhopal accident took place in(5)
 - a) 2001
 - b) 1987

- c) 1984
- d) 2003.

Answer-c

- 5. Hazard identification are a part of(5)
 - a) Hazard survey
 - b) HAZOP
 - c) Preliminary hazard analysis
 - d) Safety review.

Answer- c

- 6. The Dow Fire and Explosion index is a part of(5)
 - a) Hazard analysis
 - b) Process design.
 - c) Process flowsheet
 - d) Hazards survey

Answer-d

- 7. Elucidate on American Institute of Chemical Engineers fundamental canons and Code of Ethics.(10)
 - 8. Discuss various types of source models.(10)
 - 9. What do you mean by Material Safety Data Sheets? Elaborate in details.(10)
 - 10. Discuss in minute details HAZOP and HAZAN.(10)
 - 11. What do you mean by industrial hygiene? Discuss it.(10)
- OR
- Discuss the science of toxicology.(10)
 - 12. Discuss and elaborate on toxic release and dispersion models.(20)

OR

- Discuss fires and explosions.(20)