

Roll No



**PRESIDENCY UNIVERSITY
BENGALURU**

**SCHOOL OF ENGINEERING
END TERM EXAMINATION - JUN 2023**

Semester : Semester IV - B.Tech PET - 2021

Course Code : PET2030

Course Name : Sem IV - PET2030 - Occupational Health and Safety

Program : B.Tech. Petroleum Engineering

Date : 16-JUN-2023

Time : 9.30AM - 12.30PM

Max Marks : 100

Weightage : 50%

Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Question paper consists of 3 parts.
- (iii) Scientific and non-programmable calculator are permitted.
- (iv) Do not write any information on the question paper other than Roll Number.

PART A

ANSWER ALL THE QUESTIONS

(10 X 3 = 30M)

1. Define acute toxicity testing. (CO3) [Knowledge]
2. Identify the way of keep your mental health safety according to US Dept. (CO1) [Knowledge]
3. Identify the classification of health. (CO1) [Knowledge]
4. Define hazard with proper examples. (CO2) [Knowledge]
5. Define the types of hazards present. (CO2) [Knowledge]
6. Define potential impacts of drilling on environment. (CO4) [Knowledge]
7. Write the test species used for the petroleum industry. (CO4) [Knowledge]
8. Write the influence of environmental impacts of oil and gas. (CO3) [Knowledge]
9. Define risk. How its depends on consequence? (CO2) [Knowledge]

10. Define measuring toxicity of drilling fluids.

(CO3) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS

(2 X 15 = 30M)

11. "Mysrid shrimp, sheepshead minnow, Fathead minnow, and Daphnid shrimp are playing a vital role in petroleum industries". Justify the above quotation.

(CO4) [Comprehension]

12. "The ecosystem is a basic component of a clean and green environment" Describe the above statement.

(CO3) [Comprehension]

PART C

ANSWER ALL THE QUESTIONS

(2 X 20 = 40M)

13. You have been employed as a safety engineer at Exxon Mobil. Explain safety factors that you incorporate at your work place.

(CO2) [Application]

14. In industry, various types of explosion accidents can take place any time. As an HSE, write solution in your words these industrial explosions and present the preventive measures.

(CO4) [Application]