

Roll No



**PRESIDENCY UNIVERSITY
BENGALURU**

**SCHOOL OF ENGINEERING
MID TERM EXAMINATION - APR 2023**

Semester : Semester IV - 2021

Course Code : PET2030

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

Program : PET

Date : 17-APR-2023

Time : 9:30AM - 11AM

Max Marks : 50

Weightage : 25%

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

(5 X 2 = 10M)

1. How ecosystem control by different factors?
(CO1) [Knowledge]
2. Define health as per "WHO".
(CO1) [Knowledge]
3. Describe the term "fire triangle".
(CO2) [Knowledge]
4. Define the term "hazard".
(CO2) [Knowledge]
5. How risk is dependent on consequence and frequency?
(CO2) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS

(2 X 10 = 20M)

6. Describe the methodology of keep good mental health according to "U.S Department of Health and Human Service".
(CO1) [Comprehension]
7. Establish consequence modelling for hazard classification.
(CO2) [Comprehension]

PART C

ANSWER THE FOLLOWING QUESTION

(1 X 20 = 20M)

8. You have been employed as a safety engineer at Exxon Mobil. Explain safety factors that you incorporate at your work place.
(CO2) [Application]