

**COLLEGE OF ENGINEERING AND TECHNOLOGY**

**SCHOOL OF BIOENGINEERING, DEPARTMENT OF CHEMICAL ENGINEERING C**

**B. Tech. CHEMICAL ENGINEERING – OPEN ELECTIVE**

**ACADEMIC YEAR 2023-24 – ODD SEMESTER**

**Continuous Learning Assessment I**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Reg. No. | R | A |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| --- | --- | --- | --- |
| Course Code: **18CHO104T** | Course Title: **PROCESS PLANT SAFETY** | | |
| Sem & Year: V & III year | Date: 17/08/2023 | Duration: 60 Minutes | Max. Marks: 25 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Course Outcomes (COs)** | **Program Outcomes (POs)** | | | | | | | | | | | | | **PSOs** | | | |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | | 2 | 3 |
| **CO1** | *Understand the basics of Industrial Safety Management* | 2 | *-* | *-* | *-* | *-* | *-* | *-* | *-* | *-* | *-* | *-* | *1* | - | | - | - |

**Part A Answer the Following 5x1 Marks = 5 Marks**

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| --- | --- | --- | --- | --- | --- | --- |
| **Q. No.** | **Questions** | **Correct option** | **CO** | **BL** | **PO** | **Marks Scored** |
| 1. | ------------------ introduces an employee hands-on method of teaching to a new job or teaches him new skill sets   * 1. On-the-job training   2. Off-the-job training   3. Job instructor training   4. Supervisor training |  | 1 | L2 | 1 |  |
| 2. | Who is the responsible person for safety education and training for the employees?   * 1. Top management   2. Safety Inspector   3. Safety Supervisor   4. Safety Engineer |  | 1 | L2 | 1 |  |
| 3. | OSHA is the acronym of   1. Occupational safety and health administration 2. Occupational safety and health agency 3. Organisation of safety and health agents 4. Organisation of safety and health administration |  | 1 | L1 | 12 |  |
| 4. | ------------- guide to action in decision making in a industry   * 1. Safety planning   2. Safety Policy   3. Safety Culture   4. Safety Inspection |  | 1 | L1 | 1 |  |
| 5. | The communication that takes place only with peer levels in an organisation -------   * 1. External communication   2. Internal communication   3. Downward communication   4. Lateral communication |  | 1 | L1 | 12 |  |

**Part B Answer any two of the following 2 x 10 Marks = 20 Marks**

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| **Q. No.** | **Questions** | **Marks** | **CO** | **BL** | **PO** | **Marks Scored** |
| 6. | Discuss on Safety Inspection vs Safety Supervision. | 10 | 1 | L1 | 1 |  |
| 7. | Explain the various methods of safety education and training followed in industries. | 10 | 1 | L2 | 1 |  |
| 8. | Explain the communication process and discuss the various communication types that are followed in an organisation. | 10 | 1 | L1 | 12 |  |

**% of CO attainment is above 75% - Level 3 % of CO attainment is 60% -75% - Level 2**

**% of CO attainment is 50% -60% - Level 1 % of CO attainment is below 50% - Level 0**

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|  | **Quality** | **Max Marks** | **Marks Scored** | **% of Marks** |
| **CO1** | **L1 = 23 Marks** | **25** |  |  |
| **L2 = 12 Marks** |
| POs/PSOs: | **1,12** | | | |