

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
EIGHTH SEMESTER B.TECH DEGREE EXAMINATION, MAY 2019

Course Code: MT482

Course Name: INDUSTRIAL SAFETY

Max. Marks: 100

Duration: 3 Hours

PART A

Answer any six questions, each carries 5 marks.

Marks

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| 1 | Differentiate between incident and accident. What is the purpose of reporting of accidents and incidents | (5) |
| 2 | Explain the role of a safety officer in an industry | (5) |
| 3 | Explain the constitution of a safety committee. What are the responsibilities of each member of the committee? | (5) |
| 4 | Define Occupational health hazards. List the different types of such hazards. | (5) |
| 5 | What are the ergonomic measures to avoid Cumulative Trauma Disorders. | (5) |
| 6 | What is the responsibility of unions in safety? | (5) |
| 7 | Define occupational stress and also explain causes of stress. | (5) |
| 8 | Explain the importance of safety in the industry with an example. | (5) |

PART B

Answer any six questions, each carries 5 marks.

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| 9 | Describe the human factors contributing to accidents. | (5) |
| 10 | What are the different forms of creating awareness about safety among the employees? | (5) |
| 11 | Improving safety and productivity can be done through work place design and control measures. Elaborate three reasons to justify the statement. | (5) |
| 12 | What is preventive maintenance? Explain its importance. | (5) |
| 13 | Discuss the Concept of workplace and its design | (5) |
| 14 | Differentiate between safety training and safety education. | (5) |
| 15 | Explain Risk management. | (5) |
| 16 | Explain in detail about the technical and engineering control measures to improve the workplace design | (5) |

PART C

Answer any four questions, each carries 10 marks.

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| 17 | Explain the classification of fire. | (10) |
| 18 | What are physical hazards? Describe the methods to control | (10) |
| 19 | Explain Maharashtra Safety Officers Rule-1982 | (10) |
| 20 | Describe the control measures taken to ensure safety on electrical hazards | (10) |
| 21 | Explain the Workmen Compensation Act-1923 | (10) |
| 22 | Write in detail about Public Liabilities Insurance Act-1991 | (10) |
