

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
EIGHTH SEMESTER B.TECH DEGREE EXAMINATION(S), OCTOBER 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 | Explain the importance of safety in the industry with an example. | (5) |
| 2 | Describe the nature and causes of accidents. | (5) |
| 3 | Define safety committee and also explain its functions. | (5) |
| 4 | List and explain the duties of a safety specialist. | (5) |
| 5 | Define industrial hazard. List and explain its classifications. | (5) |
| 6 | Define ergonomics and how it is related to health and safety | (5) |
| 7 | What is Musculoskeletal Disorders and how it can be prevented? | (5) |
| 8 | What are the objectives of ergonomics? | (5) |

PART B

Answer any six questions, each carries 5 marks.

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| 9 | Differentiate between safety training and safety education. | (5) |
| 10 | Describe various safety training methods. | (5) |
| 11 | How human behaviour and safety are related? Explain. | (5) |
| 12 | Explain the evaluation of safety training programs. | (5) |
| 13 | Discuss the role of management in industrial safety. | (5) |
| 14 | What is the importance of Preventive maintenance in industrial safety? Explain | (5) |
| 15 | State and explain the concept of Total loss control. | (5) |
| 16 | Discuss the Concept of workplace and its design | (5) |

PART C

Answer any four questions, each carries 10 marks.

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| 17 | What is the purpose of industrial lighting and explain the benefits of good illumination? | (10) |
| 18 | List and explain various Chemical Hazards. | (10) |
| 19 | Discuss various Classifications of fires and also explain the prevention methods. | (10) |
| 20 | What are the objectives and main provisions of Factories Act, 1948? | (10) |
| 21 | Discuss the various health provisions of the Factory Act, 1948 | (10) |
| 22 | Explain the workmen's compensation act. | (10) |
