

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
B.Tech Degree S6 (Minor) Examinations April 2026 (2023 Admn)

Course Code: CET386

Course Name: ENVIRONMENTAL HEALTH AND SAFETY

Max. Marks: 100

Duration: 3 Hours

PART A

Answer all questions, each carries 3 marks.

Marks

- | | | |
|----|--|-----|
| 1 | Describe any two musculoskeletal diseases. | (3) |
| 2 | Explain the significance of occupation safety and health in industry. | (3) |
| 3 | Explain any three effects of noise pollution. | (3) |
| 4 | List out any 3 safety precautions to be taken while working in dusty atmosphere. | (3) |
| 5 | Explain the safety measures to be taken while doing welding works. | (3) |
| 6 | List out any three effects of electric shock in human body. | (3) |
| 7 | Differentiate between primary and secondary air pollutants. | (3) |
| 8 | Write short note on ozone layer depletion. | (3) |
| 9 | List out any three use of personal protective equipment. | (3) |
| 10 | Explain the benefits of safety inspection. | (3) |

PART B

Answer one full question from each module, each carries 14 marks.

Module I

- | | | |
|----|---|-----|
| 11 | a) Explain the causes and effects of silicosis and asbestosis in human body caused by particulate matter. | (8) |
| | b) Explain the arrangements to be made by organization to protect the workers. | (6) |

OR

- | | | |
|----|---|-----|
| 12 | a) Explain the causes and effects of pneumoconiosis in human body caused by particulate matter. | (8) |
| | b) Describe the effect of carcinogen in human body. | (6) |

Module II

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|----|---|-----|
| 13 | a) Classify bio-hazardous agents. | (8) |
| | b) Describe the control methods of chemical hazards arising due to dust, vapour and fume. | (6) |

OR

- 14 a) Explain the methods of control of bio-hazardous agents (8)
b) Explain the methods of control of noise pollution. (6)

Module III

- 15 a) Enumerate any three method of disposal of radioactive waste. (9)
b) Explain the safety measures to be taken while doing excavation. (5)

OR

- 16 a) Explain the safety measures to be taken during concreting. (8)
b) Explain any three effects of radiation on human body. (6)

Module IV

- 17 a) Explain any four method of clean coal technology. (8)
b) Describe any six water pollutants. (6)

OR

- 18 a) Explain the effects of water pollution on humans. (8)
b) List out any six effluent quality standards. (6)

Module V

- 19 a) Analyze the role of individual in conserving natural resources. (8)
b) Explain the different types of first aid appliances. (6)

OR

- 20 a) Analyze the different methods of controlling water pollution. (8)
b) Shelters, rest rooms and lunch rooms are to be provided for workers in industry. (6)

Justify the statement.
