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Question Paper Code	12272
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B.E./B.Tech - DEGREE EXAMINATIONS, NOV/DEC 2023

Third Semester

M.E. - Industrial safety engineering

20PISEL303 - DISASTER MANAGEMENT

(Regulations 2020)

Duration: 3 Hours

Max. Marks: 100

PART - A (10 × 2 = 20 Marks)

Answer ALL Questions

- | | <i>Marks,
K-Level, CO</i> |
|---|-------------------------------|
| 1. Outline the consequences of Coastal disaster. | <i>2,K2,CO1</i> |
| 2. Outline some effects of marine disaster. | <i>2,K2,CO1</i> |
| 3. Define APELL. | <i>2,K1,CO2</i> |
| 4. List few chemical disasters in India. | <i>2,K1,CO2</i> |
| 5. How does ozone depletion occur? | <i>2,K1,CO3</i> |
| 6. Define biodiversity. | <i>2,K1,CO3</i> |
| 7. List the various impacts of nuclear waste. | <i>2,K1, CO4</i> |
| 8. Give short notes on global environmental issues. | <i>2,K1,CO4</i> |
| 9. What is meant by environmental education? | <i>2,K1,CO5</i> |
| 10. What is meant by vulnerability analysis? | <i>2,K1,CO5</i> |

PART - B (5 × 13 = 65 Marks)

Answer ALL Questions

- | | |
|---|------------------|
| 11. a) Discuss the effect of forest disaster on wildlife and environment. | <i>13,K2,CO1</i> |
| OR | |
| b) Discuss role of communication in disaster management. | <i>13,K2,CO1</i> |
| 12. a) Explain about various Monitoring devices for detection of gases in the atmosphere. | <i>13,K2,CO2</i> |
| OR | |
| b) Explain the various factors to adopt in offsite emergency plan. | <i>13,K2,CO2</i> |
| 13. a) Describe the advanced control measures for Global warming and Ozone Depletion. | <i>13,K2,CO3</i> |
| OR | |
| b) Explain the various environmental policies in India. | <i>13,K2,CO3</i> |

14. a) Briefly describe the various methods using for safe disposal of nuclear waste. *13,K2,CO4*

OR

b) Explain in detail about the types, causes and preventive measures of earthquake. *13,K2,CO4*

15. a) Discuss the various steps involved in research methodology in environmental protection. *13,K2,CO5*

OR

b) Describe about the various natural resources conservation. *13,K2,CO5*

PART - C (1 × 15 = 15 Marks)

16. a) Illustrate the case study about forest fire in India. *15,K4,CO6*

OR

b) Elaborate the causes for the michaung cyclone which inflicted heavy loss to life and property of Tamil Nadu? Specify its control measures. *15,K4,CO6*