

Code No: 138GF

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year II Semester Examinations, July - 2021

INDUSTRIAL SAFETY, HEALTH, AND ENVIRONMENTAL ENGINEERING

(Common to CE, ECE, PTM)

Time: 3 hours

Max. Marks: 75

**Answer any Five Questions
All Questions Carry Equal Marks**

1. Explain Telangana Factories Rules, 1950 under Safety and health chapters of Factories Act, 1948. [15]
2. What is biomedical waste? Explain about the Biomedical waste Management and handling Rules, 1989. [15]
3. Explain the sources of air pollution. Discuss about prevention and control of air pollution using air act 1981. [15]
- 4.a) Define the terms 'safety', 'hazard' and 'risk'.
b) Discuss about hazardous & toxic chemicals with examples. [6+9]
5. Describe about explosives act and pesticides act. [15]
6. Explain the workman compensation act and electricity act. [15]
7. Discuss about the following
a) OSHAS 18000 b) ISO 14000 [7+8]
8. Describe the occupational Safety and Health act of USA. [15]

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