

**R16**

**Code No: 138GE**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

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

**HEALTH, SAFETY AND ENVIRONMENT IN PETROLEUM INDUSTRY**

**(Mechanical Engineering)**

**Time: 3 Hours**

**Max. Marks: 75**

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

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1. Explain the environmental control in petroleum industry. [15]
2. What are the different types of petroleum wastes? Explain the environmental transport of petroleum wastes. [15]
3. Explain the general safety provisions in oil mines. [15]
4. What are the precautions we need to take during loading and unloading of petroleum tankers? Explain. [15]
5. What are the precautions we need to take against blowout? Explain clearly. [15]
6. Write guidelines for occupational health monitoring in oil and gas industry. [15]
7. Explain the flammability characteristics of liquids and vapors. [15]
8. Mention the elements of the Process Safety Management program? Explain briefly. [15]

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