

IV B.Tech II Semester Supplementary Examinations, Apr/May 2006
SAFETY AND HAZARD ANALYSIS
(Chemical Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. How chemical Hazards are handled in a chemical industry. [16]
2. Explain about various safety aspects to be considered for plant layout of processing unit. [16]
3. Discuss about the Hazards of Heat Transfer Operation. [16]
4. Discuss about Electronic Instrumentation with reference to Design problems involved in the Fail Safe Concept. [16]
5. What are principal safety requirements for floor openings plat forms? [16]
6. Discuss in detail about safety and protection measures for flammable and respiratory hazards? [16]
7. Classify different fire extinguishers used in chemical industry. [16]
8. List the steps involved in Safety Audit considering internal and external safety audits. [16]
