

***B. Tech Degree VIII Semester (Supplementary)
Examination, May 2006***

SE 802 ACCIDENT INVESTIGATION AND ANALYSIS
(Common for 1995 & 1998 Admissions)

Time : 3 Hours

Maximum Marks : 100

- I. Design an effective model for accident prevention. Discuss the strategic planning and the process of implementation of this model in any factory. (20)
- OR**
- II. Write short notes on :
- (i) Safety policy (10)
- (ii) Philosophy of Accident Investigation. (10)
- III. Explain various human failures that may lead to accidents. (20)
- OR**
- IV. Explain how safety inspections can prevent accidents and improve quality and performance. (20)
- V. Briefly explain Near misses, Dangerous occurrences, Frequency rate and severity rate of incidents or accidents. (20)
- OR**
- VI. Discuss a systematic procedure of an effective accident investigation system. (20)
- VII. Discuss in detail how an accident investigation report is prepared. (20)
- OR**
- VIII. Write short notes on :
- (i) Communication of accident investigation reports. (10)
- (ii) Developing co-operation in accident investigations. (10)
- IX. Explain in detail with a suitable example the root cause analysis of accidents. (20)
- OR**
- X. Briefly describe the various procedures in recording investigations for Low, Medium and High risk incidents or accidents. (20)

