

**B.Tech Degree VIII Semester Examination in
Safety and Fire Engineering
November 2002**

**SE 802 ACCIDENT INVESTIGATION AND ANALYSIS
(1998 Admissions)**

Time: 3 Hours

Max. Marks: 100

- I. (a) Define accident prevention. (5)
(b) What are the various models of accident prevention used in safety management ?
Explain any one of them in detail. (15)

OR

- II. (a) What is the purpose of accident investigation ? (10)
(b) Discuss the philosophy of safety investigation. (10)

- III. Is mistakes of human can lead to accidents? Explain your answer with suitable examples. (20)

OR

- IV. How we can prevent accidents ? What are the roles of Inspection and technical research
in the above ? Enumerate with suitable example. (20)

- V. (a) Explain the various methods of data collection. (10)
(b) How you can present a data so that it serves the purpose without any explanation ? (10)

OR

- VI. (a) What are the factors to be taken into account while dealing with witness ? (10)
(b) Prepare a follow up document for an accident investigation. (10)

- VII. (a) Explain the benefits of group discussion. (10)
(b) What is a report ? State the important points to be considered in drafting a report. (10)

OR

- VIII. (a) Distinguish an informative report from an analytical report. (10)
(b) What are the various types of meetings conducted in industry for the purpose of
safety promotion ? How these meetings can bring out the outcome better ? (10)

- IX. (a) What inference you can get from accident analysis. (10)
(b) Discuss the important points to be remembered while projecting a data. (10)

OR

- X. (a) How an accident record is to be maintained ? (10)
(b) What is the purpose of safety data sheet ? What are the informations you can draw
from a process safety data sheet ? (10)

