

B. Tech Degree VIII Semester Examination, April 2008

SE 802 ACCIDENT INVESTIGATION AND ANALYSIS

(Common for 1999 & 2002 Scheme)

Time : 3 Hours

Maximum Marks : 100

- I. (a) What are the major models of accident prevention? Explain any two models in detail. (10)
(b) What are the major elements of strategic planning for accident prevention? Discuss. (10)
- OR**
- II. Define accidents. Explain the causes and prevention methods with suitable examples. (20)
- III. (a) What factors will be taken into consideration for determining the priority of investigating accidents? (10)
(b) What is personal handicaps? "Human failings due to personal handicap can be avoided". Explain. (10)
- OR**
- IV. (a) How do the shortcomings in a work place contribute to accidents? (10)
(b) With the help of a case study, explain the methodology for conducting an accident investigation. (10)
- V. (a) What is data collection? What are the basic methods for data collection? (10)
(b) Discuss the methodology for dealing with witnesses in an accident investigation. (10)
- OR**
- VI. (a) How will you document the facts collected during an accident investigation process? (10)
(b) Explain the various methods used for the projection of data. (10)
- VII. (a) Discuss the role of group discussion in accident analysis. (10)
(b) "Good record keeping is the foundation of a scientific approach to occupational safety". Explain. (10)
- OR**
- VIII. (a) Explain the procedures involved in conducting a meeting. (10)
(b) How does a minute differ from a report? Explain the procedure for making an accident report. (10)
- IX. (a) How safety data can be used in explaining 'Pre accident-situation'. (10)
(b) What is accident analysis? What inference an analysis can bring out? (10)
- OR**
- X. (a) What are the important accident records? Suggest suitable formats for these records. (10)
(b) How will you project accident analysis data using graphs and charts? (10)

