

## ***B. Tech Degree VIII Semester Examination, April 2010***

### **SE 802 ACCIDENT INVESTIGATION AND ANALYSIS** *(2002 Scheme)*

Time : 3 Hours

Maximum Marks : 100

- I. (a) What is an accident? How accident prevention can be achieved in industries? (10)  
(b) What are the various accident models? Explain in details. (10)  
**OR**
- II. (a) What is strategic planning in accident prevention? How is it useful? (10)  
(b) Explain the philosophy of safety investigation. (10)
- III. (a) What are the common mistakes that may lead to an accident? (10)  
(b) How inspections are useful in accident prevention? (10)  
**OR**
- IV. (a) What are the factors which influence safe behaviour of employees? (10)  
(b) Give a list of guidelines for making accident investigations useful. (10)
- V. What are the various types of data collection employed in accident analysis with an example in each case? (20)  
**OR**
- VI. (a) How will you document the facts collected during an accident investigation exercise? (10)  
(b) What is the significance of a witness in an accident investigation? (10)
- VII. Discuss the role of group discussion in accident investigation and analysis. (20)  
How is it organized?
- VIII. What are the qualities of a good report? Prepare a typical sample report. (20)  
**OR**
- IX. (a) What are the objectives of accident analysis? (10)  
(b) Discuss the content of a typical safety data sheet. (10)  
**OR**
- X. (a) What are the various methods of projecting accident data? Explain with typical examples. (10)  
(b) What are the main objectives of accident records? Explain in detail. (10)

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