

PRINCE OF SONGKLA UNIVERSITY
FACULTY OF ENGINEERING

Midterm Examination : Semester 1

Academic Year : 2007

Date : 03 August, 2007

Time : 13:30-16:30

Subject : 226-307 Safety Engineering

Room : A403 A 305 A 300

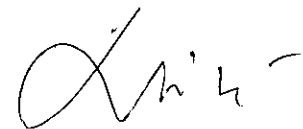
ทฤษฎีในการสอบ โทษขั้นต่ำคือ ปรับตกในรายวิชาที่ทฤษฎี และพักการเรียน 1 ภาคการศึกษา

Instruction:

1. Answer all questions.
2. All materials are allowed.

Questions:

1. What are the aims and benefits of accident investigation? (5 points)
2. How can a job safety analysis be used for safety analysis? Give a step/process of implementation and an example of job safety analysis in case of gas welding process. (20 points)
3. How does the KYT improve employee awareness in the factory? (5 points)
4. Analyse the causes of accident by using DOMINO THEORY in case of machine cutting injury. (10 points)
5. How can the near miss accidents be important to the safety and health management? (5 points)
6. What are 3E? How can they prevent the accident? (10 points)
7. What are 3I? How can they reduce the human error in the factory? (10 points)
8. What are the factors influencing safety culture in the factory? (10 points)



9. How do the following factors influence safety management in the factory :

9.1 effective training

9.2 correcting habits

9.3 behaviors

9.4 attitudes

(20 points)

10. How can managers and supervisors play safety leadership?

(5 points)

prepared by

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