

PRINCE OF SONGKLA UNIVERSITY

FACULTY OF ENGINEERING

Midterm Examination : Semester II

Academic Year : 2008

Date : 27 December, 2008

Time : 09:00-12:00

Subject : 225-349:Safety and Environmental Engineering Room : R300

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ทูลจรตในการสอบ โทษจันต่ำค่อ ปรบตคในรายวิชาที่ทูลจรต และพัทการเรยน 1 ภาคการศึกษา

Instruction:

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

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

- 1.1 safety committees
- 1.2 supervisor
- 1.3 organizing

(15 points)

2. For each of the following organizations , give four examples and causes of accident :

- 2.1 restaurant
- 2.2 machine shop in IE department
- 2.3 rubber latex Industry

(15 points)

3. Analyse the causes of accident in case of machine cutting injury by using

Domino theory and the multiple causation theory.

(15 points)

4. What is accident investigation? Give a step/process of implementation and an example of accident investigation in case of injury from drilling machine.

(15 points)

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5. What are 3E? How can they prevent the accident in case of forklift safety?

(10 points)

6. Analyse and identify the matrix of the degree of risks and probability ranking in case of fire in wood industry.

(10 points)

7. What are the supervisor's roles for industrial accident prevention?

(10 points)

8. What is the definition of risks and how to assess the risks in the workplace ?

(10 points)

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