

**Prince of Songkla University**

**Faculty of Engineering**

**Midterm Examination Semester 1**

**Academic Year : 2005**

**Date : July 31, 2005**

**Time : 09:00-12:00**

**Subject : 226-307 Industrial Safety Management**

**Room: R200**

**Instruction:**

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

ทูลจริตในการสอบ โทษขันด่ำ ปรับตกไน  
รายวิชานัน และพัทการเรียน 1 ภาคการศึกษา

**Questions:**

1. For each of the following organizations , give four examples, causes of accident and the method to eliminate/reduce these accidents :

- 1.1 Hotel
- 1.2 Canning Industry
- 1.3 Construction
- 1.4 University
- 1.5 Welding shop

( 20 points )

2. How can 3E principle be used for accident prevention ? Give an example in case of fire .

( 10 points )

3. Analyse the causes of accident by using DOMINO THEORY and THE MULTIPLE CAUSATION THEORY in case of head injury from flying object.

(10 points)

4. Explain Taylor's viewpoint toward incentive wage practices and describe how those affect safety motivation.

(10 points)

5. How do the position level in the company affect the safety motivation in the company?

(10 points)

6. What is TOR ? How can be used for accident investigation? Give a step/process of implementation.

(10 points)

7. List the safety characteristics or standards of items as the following :

7.1 circular saw

7.2 forklift

7.3 hotel

7.4 safety belt

(10 points)

8. How does the PDCA cycle improve employee awareness in factory?

(10 points)

9. List the hazards from chemical and physical environment and preventions in the industries/enterprises as the following:

9.1 Latex Industry.

9.2 Parawood Industry.

9.3 Dry Cell Industry.

9.4 Battery industry.

(10 points)

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prepared by

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