

PRINCE OF SONGKLA UNIVERSITY
FACULTY OF ENGINEERING

Final Examination : Semester 1

Academic Year : 2006

Date : 11 October, 2006

Time : 09:00-12:00

Subject : 226-307 Safety Engineering

Room : Robot

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ทฤษฎีในการสอบ โทษขั้นต่ำคือ ปรับตกในรายวิชาที่ทฤษฎี และพักการเรียน 1 ภาคการศึกษา

Instruction:

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

Questions:

1. Answer the questions about KYT as the following:
 - 1.1 What is KYT?
 - 1.2 What is the benefits of KYT?
 - 1.3 How to process the 4 round KYT? (10 points)
2. What are the basic safe work practices to be followed when working with electricity or electrical equipment? (10 points)
3. What are the effects of doing the same physical tasks over and over such as using a screwdriver or nut driver? What are the ways to prevent? (10 points)
4. What are the general safety precautions about as the following :
 - 4.1 lifting
 - 4.2 hand tools
 - 4.3 electric tools
 - 4.4 portable circular saw (10 points)



5. How to control the hazards relate to the office furnitures and office machines? (10 points)
6. How to evacuate a burning building? (5 points)
7. How to use a portable fire extinguisher? (5 points)
8. Explain the paradigm shift from the emphasis on employee carelessness to the emphasis on management system failure. (10 points)
9. What are the essentials for being ready for first aid? (10 points)
10. What are the basic tenets of PPE selection? (5 points)
11. The President of Prince of Songkla University (PSU) desires to set a water and wastewater management system (WWMS) in PSU. You are assigned to be a member of WWMS team. Answer these following questions.
- 11.1 Who should be involved in this system? And what are their roles?
- 11.2 What are the strategies of getting people involved?
- 11.3 What should be concerned in setting up WWMS in PSU? (15 points)

prepared by

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