

PRINCE OF SONGKLA UNIVERSITY

THE FACULTY OF ENGINEERING

Final Examination Semester II

Academic Year :2005

Date: February 26,2006

Time : 13:30-16:30

Subject: 225-465: Value Engineering and Cost Analysis **Room :** R300

Instruction

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

ทฤษฎีในการสอบ โทษขั้นต่ำ ปรับตกในรายวิชานั้น
และพักการเรียน 1 ภาคการศึกษา

Questions:

1. Analyze and list the basic functions of security system in Prince of Songkla University and propose the new innovation systems. (20 points)
2. Use VE technique to analyze and propose the suitable process of employee recruitment and selection. (20 points)
3. Analyze, create and propose the service innovation for coffee shop services. (20 points)
4. Assume that the basic functions of pencil are marks making and letter erasing. Please sketch the design of pencil and determine cost as the following:
 - 4.1 production cost
 - 4.2 cost of basic functions (20 points)
5. What is the ABC costing? What is the major advantages of ABC costing over the old costing system? (10 points)
6. What are the mental blocks if the car has been made from paper? (10 points)

Prepared by

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