

**PRINCE OF SONGKLA UNIVERSITY  
FACULTY OF ENGINEERING**

**Final Examination Semester II**  
**Date : February 22, 2005.**  
**Subject : 225-453 Value Engineering**

**Academic Year 2004**  
**Time : 9.00-12.00**  
**Room : R300**

**ทฤษฎีในการสอบโทษขั้นต่ำ คือ ปรับตกในรายวิชาที่ทฤษฎี  
และพักรเรียน 1 ภาคการศึกษา**

**Instruction :**

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

**Questions:**

1. Analyse and list the basic functions of minimart and department store and propose the new innovation services ?

(20 points)

2. Explain the method of cost reduction of the production process as the following :

2.1 preserved egg.

2.2 dried banana slices coated with sugar.

(20 points)

3. What is the function of value engineering subject? And how can it increases the productivity of teaching and learning by using VE technique?

(20 points)

4. Draw a sketch design of innovation services for OTOP product distribution.

(20 points)

5. Use VE technique to create, analyze and propose the business idea to start up the unseen Thailand business in Songkhla.

(20 points)

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Prepared by  
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