



**UNIVERSITI KUALA LUMPUR
Malaysia France Institute**

**FINAL EXAMINATION
JULY 2010 SESSION**

SUBJECT CODE : FID 26402
SUBJECT TITLE : OPERATION AND SAFETY MANAGEMENT
LEVEL : DIPLOMA
TIME / DURATION : 4.00 pm – 6.00 pm
(2 HOURS)
DATE : 15 NOVEMBER 2010

INSTRUCTIONS TO CANDIDATES

1. Please read the instructions given in the question paper CAREFULLY.
 2. This question paper is printed on both sides of the paper.
 3. Please write your answers on the answer booklet provided.
 4. Answer should be written in blue or black ink except for sketching, graphic and illustration.
 5. This question paper consists of TWO (2) sections. Section A and B. Answer all questions in Section A. For Section B, answer two (2) questions only.
 6. Answer all questions in English.
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THERE ARE 3 PAGES OF QUESTIONS, EXCLUDING THIS PAGE.

SECTION A (Total: 60 marks)**INSTRUCTION: Answer ALL questions.****Please use the answer booklet provided.****Question 1**

- a. Describe the term *process* in producing good. (4 marks)
- b. Brief two (2) the similarities between a good and a service? (6 marks)

Question 2

- a. Define the *inventory* in service industry (4 marks)
- b. Describe three (3) function inventory in operation ? (6 marks)

Question 3

- a. "Productivity is measurement of output divide of input". Describe how to increase productivity in manufacturing industry. (4 marks)
- b. List four (4) factors effecting in productivity (6 marks)

Question 4

Define "employee" as termed under Occupational Safety and Health Act 1994 (OSHA 1994). State four (4) duties of the employer as stipulated in the Act 514 (10 marks)

Question 5

"If Safety expensive, try accident". Describe the cost involve when accident occur (10 marks)

Question 6

- a. Describe the three (3) elements and briefly explain the various stage of how fire occurs.
(6 marks)

- b. Explain two (2) effecting if wrongly selecting Personal Protective Equipment to the worker
(4 marks)

SECTION B (Total: 40 marks)**INSTRUCTION: Answer two (2) questions only.****Please use the answer booklet provided.****Question 7**

Compute the multifactor productivity measure for each shown. What do the productivity figures suggest?

Assume 40-hour weeks and an hourly wage of RM12. Overhead is 1.5 times weekly labor cost. Material cost is RM6 per kilogram

Table 1: Weekly Report

| Week | Output (units) | Workers | Material (kg) |
|------|----------------|---------|---------------|
| 1 | 30000 | 6 | 450 |
| 2 | 33600 | 7 | 470 |
| 3 | 32200 | 7 | 460 |
| 4 | 35400 | 8 | 480 |

(20 marks)

Question 8

- a. "Human are always blamed for the caused of an accident at a work place". Discuss this statement base on the Human Factor Theory of Accident

(10 marks)

- b. Inspection is one elective way of indentifying possible hazard, so does risk assessment. Explain how these two approaches important to each other in minimizing hazard at workplace

(10 marks)

Question 9

Explain the rationale for carrying out risk assessment at a workplace in an organization

(20 marks)

END OF QUESTION