



SET A

**UNIVERSITI KUALA LUMPUR
Malaysia France Institute**

**FINAL EXAMINATION
SEPTEMBER 2013 SESSION**

SUBJECT CODE : FID 26402
SUBJECT TITLE : OPERATION AND SAFETY MANAGEMENT
LEVEL : DIPLOMA
TIME / DURATION : 2 HOURS
DATE :

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. List **four (4)** objectives of OSHA 1994.
(8 marks)
- b. When the Occupational Safety and Health Act 1994 (OSHA) was gazetted?
(2 marks)

Question 2

- a. Define the **inventory** in manufacturing industry
(4 marks)
- b. Describe **three (3)** functions of inventory in operation
(6 marks)

Question 3

- a. "Productivity is a 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

- a. Explain **one (1)** act under Occupational Safety and Health Act 1994 (OSHA 1994).
(6 marks)
- b. Define and describe briefly of this term OHSAS 18001 and ISO/EMS 14001.
(4 marks)

Question 5

- a. Define the 'Confine Space' in OSH.

(5 marks)

- b. List **five (5)** hazard at confine space

(5 marks)

Question 6

- a. List three (3) considerations should be applied before selection of PPE for welder.

(6 marks)

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

(4 marks)

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

Table 1 shows the weekly report. Compute the multifactor productivity measure for each week. 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	5	450
2	33600	6	470
3	32200	6	460
4	35400	7	480

(20 marks)

Question 8

- a. "Humans are always blamed for the cause 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