CONFIDENTIAL

SET B

UNIVERSITI KUALA LUMPUR

Malaysia France Institute

FINAL EXAMINATION
JANUARY 2011 SESSION

SUBJECT CODE	:	FWD 33502
SUBJECT TITLE	:	WELDING PROJECT MANAGEMENT
LEVEL	:	DIPLOMA
TIME/DURATION	:	9.00 am – 11.00 am (2 HOURS)
DATE	:	08 MAY 2011

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 both sections.

6.   Answer all questions in English.

THERE ARE 3 PRINTED PAGES OF QUESTIONS

SECTION A (Total: 60 marks)

INSTRUCTION: Answer ALL questions:

Please use the answer booklet provided.

Question 1

Given are the project activities of KNM SDN BHD.

Activity	description	Immediate Predecessors	times
A	Drawing	-	3
B	PRE-WPS	A	2
C	WQT	A	6
D	WPS/PQR	B,C	3
E	Validation	D	2

Table 1

Based on the Table 1 above, answer the following questions:

(a) Draw the AON networking of the project.

(4 marks)

(b) Calculate the forward pass and backward pass of the project

(4 marks)

(c) Calculate the slack time of the project.

(4 marks)

(d) Identify the critical path (CPM) activity of the project.

(4 marks)

(e) Calculate the project completion time of the project?

(4 marks)

Question 2

Given the following time activity and complete the table accordingly.

Activity	Pre	a	m	b	t	Variance(v)
F	-	5	7	9		
G	F	2	4	7		
H	F	2	3	6		
I	G,H	4	8	10		
J	I	1	2	3		

Table 1

Based on the Table 1 above, answer the following questions:

(a) Calculate the expected time (t) and variance (v) of activity J.

(5 marks)

(b) Draw the AON networking according to time chart and identify the CPM activities.

(5 marks)

(c) What is the completion time and project variance of the project?

(5 marks)

(d) What is the probability of finishing the project in 20 weeks or less?

(5 marks)

Question 3

In any types of project needs Inspection Test Plan (ITP). Answer the following questions.

(a)   Define what Inspection Test Plan (ITP) is?

(3 marks)

(b)   What are the objectives of ITP?

(5 marks)

(c)   What is the purpose of ITP?

(5 marks)

(d)   Construct a simple ITP for piping project.

(7 marks)

SECTION B (Total: 40 marks)

INSTRUCTION: Answer ALL questions.

Please use the answer booklet provided.

Question 1

Project management acquires a lot of activities. Answer the following questions.

(a)   Define what is breakdown structure?

(3 marks)

(b)   Why is it important to form a project organization?

(4 marks)

(c)   What are the project management techniques?

(3 marks)

(d)   What are the differences between CPM and PERT methods?

(8 marks)

(e)   How to determine the slack time in project networking?

(2 marks)

Question 2

Procurement is the key of success of any project. Answer the following questions.

(a) Define what procurement is?

(3 marks)

(b) Give four (4) procurement objectives.

(4 marks)

(c) Give three (3) types of procurements.

(3 marks)

(d) Give six (6) activities of procurement.

(6 marks)

(e) What is the difference between procurement objectives and procurement strategy?

(4 marks)

END OF QUESTIONS