UNIVERSITI KUALA LUMPUR
MALAYSIAN INSTITUTE INFORMATION TECHNOLOGY

FINAL EXAMINATION
JANUARY 2016 SEMESTER

COURSE CODE	: IDB 40203
COURSE NAME	: PROJECT MANAGEMENT
PROGRAMME NAME	: BCEM, BCSS, BSE & BIMD
DATE	: 18 MAY 2016
TIME	: 2.00 pm – 4.30 pm
DURATION	: 2.5 HOURS

INSTRUCTIONS TO CANDIDATES

1. Please CAREFULLY read the instructions given in the question paper.
2. This question paper has information printed on both sides of the paper.
3. This question paper consists of ONE (1) section; Section A
4. Answer ALL questions in Section A.
5. Please write your answers on the answer booklet provided.
6. Answer all questions in English language ONLY.

THERE ARE 4 PAGES OF QUESTIONS, INCLUDING THIS PAGE.

SECTION A (Total: 100 marks)

INSTRUCTION: Answer ALL questions.
Please use the answer booklet provided.

Question 1

(a) State **FIVE (5)** of the Project Management Process. Which of the process get the MOST of a project's budget expended.

(6 marks)

(b) Project Integration Management is important in IT project. What is Project Integration Management?

(4 marks)

(c) State the processes involved in Project Integration Management

(4 marks)

(d) Discuss the tools and techniques that project managers can use to ensure project time management is well track and managed.

(9 marks)

Question 2

(a) Covey introduced the **SEVEN (7)** habits for improvements. Explain how each may be applied in projects.

(14 marks)

(b) Draw a simple work breakdown structure for the IT Asset Management System Project.

(6 marks)

(c) Explain the benefits of using a work breakdown structure.

(5 marks)

Question 3

(a) Based on the project breakdown with stated cost apportioned by percent as follows: Definition: 10%, Design: 35%, Implementation: 55%.
Given the total cost estimated is $ 600,000.00, calculate each of the Definition, design and implementation cost.

(6 marks)

(b) With the following information for **TWELVE (12)** months of the Interactive Street Map application development project, answer the questions based on the information provided. Rate of performance for the project identified is 40% at the first four months of the project with the planned value includes the total cost of labor of RM 30,000 and the total hardware and software cost is RM 50,000. Assume the actual cost which consists of the direct & indirect cost is RM 30,000. A total of RM 180,000 was planned as the budget at completion for this project.

i. Calculate the Earned Value based on the rate of performance at 40%.

(2 marks)

ii. What is the Cost Variance and Schedule Variance for this project?

(4 marks)

iii. Identify the Cost Performance Index (CPI) and Schedule Performance Index (SPI) for the project. State the status of the project.

(6 marks)

iv. Calculate the Estimate at Completion for this project.

(2 marks)

v. Estimate the time taken to complete this project.

(2 marks)

c) Draw a diagram of a typical project life cycle showing the phases

.

(3 marks)

Question 4

Table 1.0: Project Task

Task ID	Description	Immediate Predecessors	Optimistic Time	Most Likely Time	Pessimistic Time	Expected Time
A	Collect Requirements	-	1	2	3	
B	Analyse Processes	A	1	2	9	
C	Analyse Data	B	1	3	5	
D	Design Processes	B	3	7	11	
E	Design Data	B	2	4	18	
F	Design Screens	C,D	1	1	1	
G	Design Reports	D,E	2	3	16	
H	Program	F,G	1	4	7	
I	Test and Document	G	2	6	22	
J	Install	H,I	1	1	7	

(a) Based on information provided in **Table 1.0**, calculate the expected time using the Program Evaluation and Review Technique (PERT) network formula. Rewrite the Task ID and Description in your answer booklet together with the Expected Time column.

(5 marks)

(b) Draw the Activity-On-Arrow (AOA) network diagram for the above project.

(15 marks)

(c) What is the total of project duration?

(1 mark)

(d) Identify **2 (TWO)** milestones for the project.

(4 marks)

END OF EXAMINATION PAPER