UNIVERSITI KUALA LUMPUR
MALAYSIAN INSTITUTE OF INDUSTRIAL TECHNOLOGY

FINAL EXAMINATION

JANUARY 2016 SEMESTER

COURSE CODE	:	JGD 10103
COURSE TITLE	:	INTRODUCTION TO INFORMATION TECHNOLOGY
PROGRAMME LEVEL	:	DIPLOMA
DATE	:	30 MAY 2016
TIME	:	9.00 AM – 12.00 PM
DURATION	:	3 HOURS

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. This question paper consists of TWO (2) sections.

4. Answer ALL questions in Section A. Choose TWO (2) questions in section B.

5. Please write your answers on the answer booklet provided.

6. Please answer all questions in English only.

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 processor or Central Processing Unit (CPU) interprets and carries out the basic instructions that operate a computer.

(a)   Briefly explain TWO (2) main components located in a processor.

(4 marks)

(b)   For every instruction, a processor repeats a set of four basic operations, which comprises a machine cycle. With diagram, explain FOUR (4) steps of machine cycle in a processor and assume that the data of 3008 - 8 x 4 was instructed to the computer as input data.

(16 marks)

Question 2

The internet is a worldwide collection of networks that links millions of businesses, government agencies, educational institutions, and individuals.

(a)   A Web page has a unique address called a domain name. Briefly discuss the definition and its relationship between domain name and Internet Protocol (IP). Show the relationship with diagram.

(8 marks)

(b)   Computer Network describes a process in which two or more computers transfer data, instructions, and information. List SIX (6) advantages of using a network.

(12 marks)

Question 3

Information transmitted over networks has a higher degree of security risk than information kept on an organization's premises. It is sometime known as internet and network attacks. However, users may choose to use online security service to prevent the risk.

(a)   Explain the online security service with **TWO (2)** examples of the providers.

(6 marks)

(b)   Suggest **FOUR (4)** ways to prevent from computer hacked.

(8 marks)

(c)   Briefly explain **THREE (3)** types of people that might be online or Internet-based illegal act.

(6 marks)

SECTION B (Total: 40 marks)

INSTRUCTION: Answer TWO (2) questions only
Please use the answer booklet provided.

Question 1

Recently, there are many tools, devices and gadgets perform as computer's technology. Some of the tools could be categorized as computer and some were not. Briefly explain **FIVE (5)** categories of computer and give **TWO (2)** examples for each computer's category.

(20 marks)

Question 2

A virus describes a potentially damaging computer program that affects a computer negatively. Discuss **FIVE (5)** symptoms that indicate virus infection in a computer and give **FIVE (5)** suggestions to avoid the infection.

(20 marks)

Question 3

Discuss **FIVE (5)** different types of websites with **TWO (2)** examples.

(20 marks)

END OF EXAMINATION PAPER