IMIS DIPLOMA QUALIFICATIONS

Using ICT in an Organisational Environment (D3)

Wednesday 4TH June 14:00hrs – 17:00hrs

DURATION: 3 HOURS

Candidates should answer ALL the questions in Part A and THREE of the five questions in Part B. Part A carries 40% of the marks available and Part B carries 60%. Candidates should allocate their time accordingly.

No reference material of any kind may be taken into the examination.

[Turn over]

PART A. Answer ALL questions in this section.

Question A1

Define the terms PRIMARY STORAGE and SECONDARY STORAGE.

(5 marks)

Question A2

Global Positioning Systems (GPS) are often installed in cars.
Describe what a GPS is and what three parameters the receiver produces.

(5 marks)

Question A3

Define the term **Open-Source Software**. Describe **ONE** reason why Open-Source software is popular with organisations.

(5 marks)

Question A4

Define the term **Dumb Terminal**. Describe ONE situation where a dumb terminal is used.

(5 marks)

Question A5

Name a SPECIALITY KEYBOARD and describe how it operates. LO3 AC3.1 P257

(5 marks)

Question A6

Most IT personnel are familiar with the term Hackers, but not so with **Crackers**. Define the term Cracker. What is the main motive of a Cracker?

(5 marks)

Question A7

Define the term **Mash-Ups**. Describe why Mash-ups are becoming a popular feature on the internet.

(5 marks)

Question A8

Define the term **Dirty Data**. Using an example describe **ONE** problem with Dirty Data**.**

(5 marks)

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PART B. Answer any THREE of the following FIVE questions.

Question B9

Bandwidth is a term IT engineers use when talking about Wireless Communication channels, and there are **TWO** general classes of Bandwidth.

    a) Using examples define **BOTH** of the **TWO** general classes.

(8 marks)

    b) Give and explain **THREE** factors that need to be taken into consideration when deciding which class of bandwidth is to be used.

(12 marks)

(Total 20 marks)

Question B10

In addition to protecting the hardware and software from hackers or viruses IT centres need to have a Disaster Recovery Plan in place. AC4.1 AC6.2 P473

    a) Define the term Disaster Recovery Plan.

(4 marks)

    b) Why is a Disaster Recovery Plan so important to an organisation?

(4 marks)

    c) A Give and describe **THREE** actions that need to be incorporated in a Disaster Recovery Plan.

(12 marks)

(Total 20 marks)

Question B11

In addition to the normal keyboard and mouse modes of input there are other source data-entry devices.

    a) Define the term **other source data-entry** device and given an example of **ONE**.

(4 marks)

    b) Using an **example** give **TWO** reasons why they are preferred to a keyboard and mouse mode of input.

(4 marks)

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c) In an attempt to reduce input errors, your company has asked recommend **THREE** possible additional modes of input. Describe how e these modes of input work.

(12 marks)

(Total 20 marks)

Question B12

Protocols, Packets, and IP Addresses are **THREE** commonly used terms when describing aspects of the Internet.

a) For **EACH** type of terms describe what they are and what their function is on the Internet.

(16 marks)

b) Every time a users logs onto the Internet the IP Address is different. Give **TWO** reasons why this is?

(4 marks)

(Total 20 marks)

Question B13

TRUTH ISSUES are an important aspect of the way in which IT is used today.

a) Describe the term **Truth Issues.**

(4 marks)

b) Using your personal experiences give and explain **FOUR** situations where Truth Issues have arisen, and how they were overcome.

(16 marks)

(Total 20 marks)

END OF EXAMINATION

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