



**L-Università
ta' Malta**

MATRICULATION AND SECONDARY EDUCATION CERTIFICATE
EXAMINATIONS BOARD

**SECONDARY EDUCATION CERTIFICATE LEVEL
2021 MAIN SESSION**

SUBJECT:	Information Technology
PAPER NUMBER:	Controlled – Unit 3
DATE:	14 th May 2021
TIME:	10:00 a.m. to 11:35 a.m.

**THIS PAPER SHOULD BE RETURNED TO THE INVIGILATOR
AFTER THE EXAMINATION.**

Name of candidate _____

I.D. number _____

School _____

Class _____

Answer **ALL** questions in the space provided.

Scenario

- AC Limited is a company providing insurance services since 2003.
- The computers used by the company have never been upgraded or replaced.
- Employees are complaining about their computers being slow.
- These slow computers are preventing employees from completing their work on time.

Question 1

K1 (4 marks)

State **FIVE** reasons why a computer upgrade would be beneficial.

Reason 1: _____
_____ (0.8)

Reason 2: _____
_____ (0.8)

Reason 3: _____
_____ (0.8)

Reason 4: _____
_____ (0.8)

Reason 5: _____
_____ (0.8)

Question 2

C1 (6 marks)

- a) The management of AC Limited is still unsure whether to implement the upgrades or not. This is because there are certain implications induced by upgrades.

Identify and describe **ONE** implication induced when:

- i. Upgrading the RAM from 2GB to 8GB;

Implication: _____ (0.5)

_____ (1)

- ii. Replacing the Hard Disk.

Implication: _____ (0.5)

_____ (1)

- b) Describe any other **THREE** implications induced by hardware installation, upgrade or replacement:

Implication 1:

_____ (1)

Implication 2:

_____ (1)

Implication 3:

_____ (1)

Please turn the page.

Question 3**K3 (4 marks)**

Describe the following **FOUR** possible risks one might come across when hardware components or software are upgraded or replaced.

a) Electrostatic discharge

(1)

b) Physical damage to equipment

(1)

c) Negative impact on data

(1)

d) Human injury

(1)

Question 4**C2 (6 marks)**

Identify and discuss **THREE** precautions which must be taken when upgrading hardware components.

Precaution 1: _____ (0.5)

(1.5)

Precaution 2: _____ (0.5)

Precaution 3: _____ (0.5)

Question 5

K5 (4 marks)

Outline **EIGHT** working procedures which should be followed during a computer upgrade.

Procedure 1: _____ (0.5)

Procedure 2: _____ (0.5)

Procedure 3: _____ (0.5)

Procedure 4: _____ (0.5)

Procedure 5: _____ (0.5)

This question continues on next page.

Procedure 6: _____
_____ (0.5)

Procedure 7: _____
_____ (0.5)

Procedure 8: _____
_____ (0.5)

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