Stanmore Secondary School

Department of Mathematics & Information Technology

First Controlled Test 2021

GRADE 11 - INFORMATION TECHNOLOGY

Time: 1 Hour   Max Marks: 50
Examiner: Mr S. Naidoo   Moderator: Mr AF Gabriel (Woodview Sec)

Instructions

1. Answer all questions.

2. Only answers written in ink will be marked.

3. Write neatly and legibly.

4. This question paper consists of **THREE** questions in **FOUR** pages.

QUESTION ONE

1.1 What is the motherboard?

_____ (1)

1.2 List the 3 function of the motherboard.

_____ (3)

1.3 Explain the term modular design.

_____ (1)

1.4 List 2 things that modular design of any computer has made it easier for.

_____ (2)

1.5 What is the ZIF socket used for?

_____ (1)

1.6 What does DIMM stand for?

_____(1)

1.7 What is the DIMM slats used for?

_____(1)

1.8 Why is there a need for expansion slots on the motherboard?

_____

_____(1)

1.9 Name any device that uses a SATA connector.

_____(1)

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QUESTION TWO

2.1 List the FOUR steps of the machine cycle.

_____

_____

_____

_____(4)

2.2 What is ROM biggest advantage?

_____(1)

2.3 What does BIOS stand for?

_____(1)

2.4 List 2 functions of the BIOS.

_____

_____(2)

2.5 What does CMOS stand for?

_____(1)

2.6 What is the function of the CMOS?

_____(1)

2.7 Explain ONE reason why is there a need to upgrade firmware.

_____

_____(2)

2.8 What term is used when firmware is upgraded?

_____(1)

2.9 What term is given to ROM that can be re-programmed?

_____(1)

2.10 List any THREE characteristics if RAM.

_____

_____

_____(3)

2.11 If your computer has 8GB of RAM, which version of Windows 10 Pro would you purchase?

_____(1)

2.12 Explain why you would chose that specific version of Windows 10 Pro.

_____

_____(2)

2.13 Name one occupation that will require their computer to be able to have intensive graphics hardware.

_____(1)

2.14 What does GPU stand for?

_____(1)

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QUESTION THREE

3.1 What is a bus that is found on the motherboard?

_____

_____(2)

P.T.O. Question 3.2

3.2 What is the difference between point to point connections and a bus?

_____

_____(2)

3.3 Name TWO hardware components that have a point to point connection.

_____(1)

3.4 What does IRQ stand for?

_____(1)

3.5 Explain what an IRQ is?

_____

_____

_____(2)

3.6 A flash drive is plug n play device. Explain the term plug n play.

_____

_____(2)

3.7 Can a printer be regarded as plug n play? Explain

_____

_____

_____(3)

3.8 What is the purpose caching?

_____(1)

3.9 Name TWO hardware devices that have its own cache.

_____

_____(2)

[16]