

Year 11 - June
2013 - Mock Paper

Question 1

How are most computers about the CPU in a computer?
The answer is that most are about the CPU in the following statements in one or more:

Statement	True	False
The CPU is made by using processing unit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The CPU is made by using processing unit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The CPU is made by using processing unit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The CPU is made by using processing unit	<input checked="" type="checkbox"/>	<input type="checkbox"/>

100

The hard disk stores data, and the CPU is the central processing unit. It is the brain of the computer (GHz).

Statement	True	False
CPUs handle the timing of processing I/O.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The CPU handles and schedules instructions.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The speed of a CPU is usually measured in Megahertz (MHz).	<input type="checkbox"/>	<input checked="" type="checkbox"/>
A CPU has only one bit the time that the computer.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
The speed test shows 4 years (4 GHz).	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The hard disk stores, up to 256GB of data at 100MB/s transfer rate. CPU clock speed is 3.0GHz.

1 gigabyte = 1024 kilobyte = 1024 bytes or 1024 x 1024 x 1024 byte = 1073741824.

1 gigabyte = 1024 x 1024 x 1024 bytes or 1024 x 1024 x 1024 byte = 1073741824.

Question 2

1. Identify the purpose of the BIOS in a client computer.

2. Identify the purpose of the BIOS in a server computer.

Answer 1: The BIOS (Basic Input/Output System) is a firmware that initializes and tests the hardware components of a computer during the boot process. It provides a low-level interface between the operating system and the hardware.

Answer 2: The BIOS in a server computer is responsible for initializing and testing the hardware components, including the CPU, memory, and storage. It also provides a low-level interface between the operating system and the hardware.

Answer 3: The BIOS in a server computer is responsible for initializing and testing the hardware components, including the CPU, memory, and storage. It also provides a low-level interface between the operating system and the hardware.

Answer 4: The BIOS in a server computer is responsible for initializing and testing the hardware components, including the CPU, memory, and storage. It also provides a low-level interface between the operating system and the hardware.

Answer 5: The BIOS in a server computer is responsible for initializing and testing the hardware components, including the CPU, memory, and storage. It also provides a low-level interface between the operating system and the hardware.

Answer 6: The BIOS in a server computer is responsible for initializing and testing the hardware components, including the CPU, memory, and storage. It also provides a low-level interface between the operating system and the hardware.

Answer 7: The BIOS in a server computer is responsible for initializing and testing the hardware components, including the CPU, memory, and storage. It also provides a low-level interface between the operating system and the hardware.

Answer 8: The BIOS in a server computer is responsible for initializing and testing the hardware components, including the CPU, memory, and storage. It also provides a low-level interface between the operating system and the hardware.

Answer 9: The BIOS in a server computer is responsible for initializing and testing the hardware components, including the CPU, memory, and storage. It also provides a low-level interface between the operating system and the hardware.

Answer 10: The BIOS in a server computer is responsible for initializing and testing the hardware components, including the CPU, memory, and storage. It also provides a low-level interface between the operating system and the hardware.

100. Describe the business of the *Arden* in their company.

QUESTION 10

Which of the following is not a characteristic of a good research question?

ANSWER: A

QUESTION 11

Which of the following is not a characteristic of a good research question?

ANSWER: A

- **Random Access Memory (RAM)**
 - Operating Systems programs that are running, accessed by the CPU
 - Stores the data currently in use accessed by the CPU

<p>Question 3</p>	<p>A game console and a desktop computer are the different sides of a computer system.</p> <p>Describe how a game console is similar to a desktop computer, with reference to input, output and storage.</p> <p>The quality of written communication will be assessed in your answer to this question.</p> <hr/> <p>Points may include:</p> <ul style="list-style-type: none"> Game consoles have input devices, usually specialised controllers but also keyboards, microphones etc similar to desktop computer Output is similar to desktop computer as a screen and speakers (sometimes using the same standards eg HDMI, DVI) Game consoles usually have an optical drive so that the software to be run can be inserted. Many also have a hard disk drive which is the same as that used on a desktop computer <p>KEY WORDS:</p> <p>Input: controllers, microphones, keyboards, joysticks, touchpads</p> <p>Output: screen, speakers</p> <p>Storage: optical, hard disk drive</p> <hr/> <p>High Level Response (3-4 marks)</p> <p>A desktop computer of many consoles and desktop computers offering to many input and output devices. There will be few if any more a keyboard, mouse and joystick. Technical terms will be used appropriately and correctly.</p> <p>Medium Level Response (2-3 marks)</p> <p>A computer is much similar to many consoles and game consoles, with a few key or touch, output and storage device. Technical terms may be described in detail. There may be technical terms in spelling, grammar and punctuation. Technical terms will be mainly correct.</p> <p>Low Level Response (1-2 marks)</p> <p>There is an attempt to compare game consoles and desktop computers but some of the responses are confused or incorrect. Information will be poorly expressed and there will be limited if any use of technical terms. There is poor spelling, punctuation and spelling may be incorrect.</p> <p>Response not worthy of credit (0 marks)</p>
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- The quality of white communication will be measured by your answer to this question:

Keywords: *work, stress, coping, organizational commitment, organizational citizenship behavior*

3. Same compute has input devices, usually specialized controllers but also keyboards, mouse/pad etc. similar to desktop computer
4. Output is similar to desktop computer on a screen and speakers/headphones, using the same controllers eg. MIDI, Joys
5. Same compute usually has an output that is the software to be run (as the user wants). Many other types of hard disk drive output in the same as that used on a desktop computer

High-Level Response (3-4 hours)
It includes a comparison of genetic inheritance and learning experience, referring to nature/nurture and personal theories. There will be two or three points of adding, expansion and explanation. Theoretical terms will be used appropriately and correctly.

Medium-Level Response (2-3 hours)
It is comparison is made between nature/nurture, comparing and giving evidence with a few points on nature/nurture and personal theories. Theoretical terms will be used in a few places. There will be one or two points of adding, expansion and explanation. Theoretical terms will be used sparingly.

Low-Level Response (1-2 hours)
It is comparison is made between nature/nurture, comparing and giving evidence with a few points on nature/nurture and personal theories. Theoretical terms will be used in a few places. There will be one or two points of adding, expansion and explanation. Theoretical terms will be used sparingly.

Legal Counsel Response (74 of 100 letters)
There is an attempt to collapse your contract and change your terms but none of the information we received is correct. Information will be given, requested, and there will be limited 15 day rule of technology being done at your convenience and getting that to be difficult.

100

Keywords: organizational commitment; organizational citizenship behavior; turnover intentions; job satisfaction

Question 4

200 00 200 00 200 00

200 00 200 00 200 00

KEY WORDS:
INPUT → from outside
OUTPUT → return result

100. What is the purpose of an input device in a system?

$\frac{0}{0}$	$\frac{0}{0}$	$\frac{0}{0}$	The system has no solution.
$\frac{0}{0}$	$\frac{0}{0}$	$\frac{0}{0}$	The system has infinitely many solutions.

KEY WORDS:
INPUT → from outside
OUTPUT → return result

question 4

1. Explain why you use a computer terminal in the form of a console and not a tablet.

Explain how this terminal using a touch screen can be used and what is printed on the screen.

Describe how you find the keyboard in the computer terminal can be adapted so that you can use it with a tablet.

a. Describe keyboarding device

b. Explain how a keyboard is modified for tablet users

- **Router** - connects two or more networks to the Internet and manages traffic
- **Gateway** - connects two networks using a single protocol (eg. IP) and routes a packet from one network
- **Switch** - connects two or more devices to the computer network and is capable of directing communication from one to the other
- **Router** - connects two or more networks to the Internet and manages traffic
- **Gateway** - connects two networks using a single protocol (eg. IP) and routes a packet from one network
- **Switch** - connects two or more devices to the computer network and is capable of directing communication from one to the other

Question 5

Numbers can be represented in binary (base 2) or hexadecimal.

(a) Convert the binary number 11010101 to decimal, showing your working.

(b) Convert the decimal number 100 to binary.

10. Correct the binary number 01000111 to binary, showing your working.

Question 5

(a) The security code for an alarm system is a three-digit number.

The technicians prefer to use combinations of 0-9.

(b) What the number is considered only has 1000.

Complete the gaps to show the next three

- (b) What the further is converted into less
 (c) Compute the price to show the next three

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A Gutmann



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