

Year 9 PRACTICE QUESTIONS

Objective 1: Chapter 1: Hardware – Know the definition of computer

1. A computer user can click on the print preview icon to check the layout of a leaflet design. Explain what is meant by the term **Icon**.

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2. Katy's sister, Juliet, has a visual impairment. Choosing a high contrast theme will make the computer easier for Juliet to use.

(i) Identify two other system settings that can be adjusted to help Juliet.

Setting 1

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Setting 2

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Circle **one** choice for each question

3. Which one of these terms gives the speed of a computer processor?
 - a. 64-bit
 - b. 2.1 GHz
 - c. 3 MB cache
 - d. 5400 rpm

4. Juliet is writing a letter. Identify one hardware device that would help Juliet to use the computer.

State what the device would be used for.

Device

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What it would be used for

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Answer the question in the space provided

Objective 2: Chapter 1: Hardware – Understand the input, output, store and process concept

Answer the question in the space provided

1. Identify one device that can be used for both input and visual output.

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Tick the box

Circle **one** choice for each question

2. How do ICT systems differ from manual systems?
 - a. Less productive
 - b. About the same
 - c. More productive

Answer the question in the space provided

3. The ACE-Phone website has a system that helps customers to search for mobile phones that meet their needs.

Features	Connectivity	Memory
<input type="checkbox"/> Touchscreen	<input type="checkbox"/> 2G	<input type="checkbox"/> 16GB
<input type="checkbox"/> Non-touchscreen	<input type="checkbox"/> 3G	<input type="checkbox"/> 32GB
<input type="checkbox"/> Bluetooth	<input type="checkbox"/> 4G	<input type="checkbox"/> 64GB
<input type="checkbox"/> Music		<input type="checkbox"/> 128GB
<input type="checkbox"/> Email		
<input type="checkbox"/> Apps		
<input type="checkbox"/> Radio		
<input type="checkbox"/> Games		
<input type="checkbox"/> Social Media		

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Identify two ways in which this system makes the search more efficient.

1

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.....

2

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Circle **one** choice for each question

4. A student plays computer games. He has a high resolution monitor. Which one of these would enhance the quality of the screen images?
- a. A high quality printer
 - b. A high capacity hard disk
 - c. A high speed graphics card
 - d. A high quality speaker

Answer the question in the space provided

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Objective 3: Chapter 1: Hardware – Know the different types of computers and how they are used

Circle **one** choice for each question

1. A document can be printed by clicking on a picture like the one shown.



The name given to a picture used in this way is:

- a. an image
- b. an icon
- c. a photograph
- d. a pointer

Answer the question in the space provided

2. The computer has a graphics card. Identify one type of application that will benefit from having a high capacity graphics card.
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Circle **one** choice for each question

3. A washing machine is controlled by microprocessors. The name given to this type of microprocessor is:
- a. a mainframe computer
 - b. an output device
 - c. an embedded computer
 - d. a console

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Objective 4: Chapter 1: Hardware – Define a computer processor

1. Name the units used to measure the speed of a computer processor.

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Circle **one** choice for each question

2. A computer is advertised with a '3GHz Pentium 4 processor'. What is the processor speed in pulses per second?
 - a. 4 000 000 000 000
 - b. 4 000 000 000
 - c. 3 000 000 000 000
 - d. 3 000 000 000

Circle **one** choice for each question

3. Factors affecting the performance of a computer used for video games are:
 - a. the size of the hard drive, the clock rate and the amount of ROM
 - b. the type of processor, the clock rate and the amount of ROM
 - c. the type of processor, the clock rate and the amount of RAM
 - d. the size of hard drive, the amount of RAM and the type of processor

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Objective 5: Chapter 1: Hardware – Understand the meaning of input devices

Circle **one** choice for each question

1. A graphics tablet is a type of:
 - a. input device
 - b. processor
 - c. software
 - d. output device

Answer the question in the space provided

2. Supa-Spa is a small health club in London, UK. The temperature in the club is maintained between 18°C and 20°C using an air conditioning system. Identify one input device used to measure temperature.

Device

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Circle **one** choice for each question

3. An input device needed to control the humidity in a greenhouse is a:
 - a. sensor
 - b. control device
 - c. scanner
 - d. touch screen

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Objective 6: Chapter 1: Hardware – Know the advantages and disadvantages of input devices

Circle **one** choice for each question

1. Bar code scanners are used in supermarkets. One benefit of using a bar code scanner is that:
 - a. fewer goods are stolen
 - b. correct change is always given
 - c. customers can be served more quickly
 - d. higher prices can be charged

Circle **one** choice for each question

2. What is Magnetic Ink Character Recognition often used on?
 - a. Till receipts
 - b. Cheques
 - c. Barcodes

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Objective 7: Chapter 1: Hardware – Understand the meaning of output devices

Answer the question in the space provided

1. Sarbir uses a PC for a range of administrative tasks. He wants to produce a letter. Identify one output device that Sarbir could use.

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2. Jonas has selected a high resolution monitor.
Identify another item of hardware that would enhance the viewing experience.

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Circle **one** choice for each question

3. Which of these printers would you use to print a wage slip using carbonised paper?
 - a. Inkjet printer
 - b. Laser printer
 - c. Dot matrix printer