

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

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Objective 8: Chapter 1: Hardware – Know the advantages and disadvantages of output devices

Objective 9: Chapter 2: Backing storage and memory – Know the definition of backing storage

Circle **one** choice for each question

1. Flash memory devices are available in a range of sizes. Which one of these provides the largest storage capacity?
 - a. 500 Mb
 - b. 1 Tb
 - c. 500 Kb
 - d. 1 Gb

Answer the question in the space provided

Circle **one** choice for each question

2. Computer files can be stored in a:
 - a. table
 - b. record
 - c. folder
 - d. field

Answer the question in the space provided

3. Give two types of external storage devices that can be used with the computer.

1

2

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Circle **one** choice for each question

4. When creating a backup protocol, three factors that must be considered are:
- a. data type, computer processor speed and media to use
 - b. amount of data, computer processor speed and frequency of backup
 - c. amount of data, frequency of backup and media to use
 - d. data type, frequency of backup and amount of data

Answer the question in the space provided

5. Joanne runs a large company. Her computer network has a large capacity server. She is investigating ways of backing up the data on the server.

(a) Describe what is meant by a backup.

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Objective 10: Chapter 2: Backing storage and memory – Know the definition of media

Tick one correct box for each statement

1. Tick True or False for the following statements.

	TRUE	FALSE
A magnetic tape has faster data access than a DVD ROM..		
A CD is used to store a two hour high definition movie.		
A magnetic disc is used for online processing.		
Pen drives are used to copy data from one computer to another.		

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Objective 11: Chapter 2: Backing storage and memory – Understand the meaning of optical discs

Circle **one** choice for each question

1. A DVD is an example of:
 - a. flash memory
 - b. magnetic storage
 - c. an optical disk
 - d. a hard disk

Write your answer in the space provided

2. An optical disc is an example of portable storage media.

Name two types of optical disc.

1

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2

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Write your answer in the space provided

3. Identify two examples of data that could be stored on an optical disc.

1

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2

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4. Optical discs and magnetic tapes are both used to store computer data. Give two uses of optical discs and for each use give a reason why they are preferred to magnetic tapes.

Use 1

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Reason 1

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Use 2

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Reason 2

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Objective 13: Chapter 2: Backing storage and memory – Understand the meaning of magnetic tapes

Answer the question in the space provided

1. What type of access does a magnetic tape use?

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Answer the question in the space provided

2. Give 2 advantages of using magnetic tapes

Advantage 1.....

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Advantage 2.....

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Answer the question in the space provided

Give 2 disadvantages of using magnetic tapes

Disadvantage 1.....

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Disadvantage 2.....

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Answer the question in the space provided

3. Explain how you access data on a magnetic tape and give one drawback

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Objective 14: Chapter 2: Backing storage and memory – Compare and contrast magnetic discs to optical discs

Answer the question in the space provided

1. Describe the term magnetic disc

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Answer the question in the space provided

2. Describe the term optical disc

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Answer the question in the space provided

3. Describe two differences between magnetic discs and optical discs

Difference 1

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Difference 2

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Answers:

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Objective 16: Chapter 2: Backing storage and memory – Understand the various methods of backing up data

Circle **one** choice for each question

1. Why would you make a backup of your computer files?
 - a. To have a copy in case files get deleted or damaged
 - b. To send to your work colleague
 - c. To search for your computer files

Answer the question in the space provided

2. Sarbir has been advised to make a backup of the documents folder that is on his PC.

Give two reasons for this advice.

1

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2

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Objective 17: Chapter 2: Backing storage and memory – Understand the various types of memory – main and flash

Circle **one** choice for each question

1. What is a computer's main internal backing store?
 - a. CD-ROM
 - b. ROM
 - c. Hard disk

Write your answer in the space provided

2. Some removable storage devices use flash memory. Name one removable storage device that uses flash memory.

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Circle **one** choice for each question

3. Documents can be saved on a PC's hard disk. A hard disk is a type of:
 - a. secondary storage
 - b. primary storage
 - c. processor
 - d. output device

Write your answer in the space provided

4. Give two benefits of using a USB pen drive to store data.

1

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Objective 18: Chapter 2: Backing storage and memory – Know the meaning of ROM and RAM

Circle **one** choice for each question

1. Which of the following retains its data even after the computer is switched off?
 - a. ROM
 - b. RAM
 - c. REM

Answer the question in the space provided

2. Jonas wants to buy a PC. He intends to use it to:
Download music
Watch videos
Play computer games
Communicate with friends
Explain why Jonas has been advised to buy a computer with a large amount of RAM.

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Objective 19: Chapter 2: Backing storage and memory – Know and understand the differences between ROM & RAM

Tick one correct box for each statement

1. Tick whether the following statements apply to RAM or apply to ROM.

	ROM	RAM
This memory can only be read from not written to.	<input type="checkbox"/>	<input type="checkbox"/>
This memory is not volatile.	<input type="checkbox"/>	<input type="checkbox"/>
This memory is used to store the data the user is currently working on.	<input type="checkbox"/>	<input type="checkbox"/>
This memory is used to store the startup instructions of a computer.	<input type="checkbox"/>	<input type="checkbox"/>