

0	1
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An operating system is a type of software.

0	1	.	1
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Shade **one** lozenge to indicate which category of software an **operating system** belongs to.

[1 mark]

System software	<input type="radio"/>	Application software	<input type="radio"/>	Translation software	<input type="radio"/>
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0	1	.	2
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State **one** resource that the operating system manages.

[1 mark]

0	1	.	3
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State **one** role of the operating system, other than resource management.

[1 mark]

0 2

A computer system can be defined as hardware and software working together.

0 2 . 1

What is meant by the term hardware?

[1 mark]

0 2 . 2

What is meant by the term software?

[1 mark]

0 2 . 3

Explain the key difference between system software and application software.

[2 marks]

0 2 . 4

Some of the following types of software are examples of system software.

Shade in **two** lozenges to indicate which types of software are system software.**[2 marks]**

Compiler	<input type="radio"/>	Photo editor	<input type="radio"/>	Spreadsheet	<input type="radio"/>
Computer game	<input type="radio"/>	Operating system	<input type="radio"/>	Word processor	<input type="radio"/>

0 3 . 1 Define the term 'software'.

[1 mark]

0	3	.	2
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 Translators are one type of system software.

Give **two** other types of system software.

[2 marks]

Type 1 _____

Type 2 _____

0	4	.	1
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 Libraries are a type of system software.

Describe what libraries are **and** why programmers use them.

[2 marks]

0 5 . 1 One physical resource that the operating system manages is the processor.

Name another physical resource that the operating system is responsible for managing.

[1 mark]

06.1

Shade **one** lozenge to indicate which of the following is an example of system software.

[1 mark]

A	Computer game	<input type="checkbox"/>
B	Image editor	<input type="checkbox"/>
C	Programming language translator	<input type="checkbox"/>
D	Video conferencing software	<input type="checkbox"/>
E	Word processor	<input type="checkbox"/>

06.2

An operating system manages hardware resources, for example the I/O devices associated with a computer system.

State **two** other examples of hardware resources that an operating system is responsible for managing.

[2 marks]

0	7
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The Skeleton Program loads the game data from a binary file.

State **two** reasons why a binary file might have been chosen for use with the Skeleton Program instead of a text file.

[2 marks]

08.1

Shade **one** lozenge to indicate to which category of system software a virus checker belongs.

[1 mark]

Category	Shade one lozenge
Operating systems	<input type="checkbox"/>
Translators	<input type="checkbox"/>
Utilities	<input type="checkbox"/>

08.2

The operating system is responsible for resource management.

Describe **two** different types of resource management that an operating system is responsible for.

[2 marks]

Type 1: _____

Type 2: _____

09.1 Explain the relationship between hardware and software.

[1 mark]

1 0 . 1 Describe the difference between application software and system software.

[2 marks]

1 0 . 2 Utilities are a type of system software.

Describe what utilities are **and** include an example of a utility in your answer.

[2 marks]

1 1 . 1

Define the term 'system software'.

[1 mark]

1 1 . 2

The list below contains five types of software. Four of the types are examples of system software.

Shade **one** lozenge to indicate which type of software is **not** system software.**[1 mark]****A** Assemblers☐**B** Bitmap image editors☐**C** Interpreters☐**D** Libraries☐**E** Utility programs☐**1 1 . 3**Describe **two** functions of an operating system.**[2 marks]**

Function 1 _____

Function 2 _____
