Chhetri Academy

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GCSE COMPUTER SCIENCE

1.1

OCR J277 | Specification point 1.1.3

Embedded systems

Untiered

Past paper question booklet

2	2019-2023	Untiered
question groups	available papers	tier

Before you begin

1. Show working and use units where appropriate.
2. Use extra paper if you need more space.
3. Print at actual size (100%) for measurement questions.

Name _____ **Date** _____

Whole questions are retained for context; some parts cover other points. Legacy sources are labelled.

2 Xander's tablet computer comes with system software, including an operating system and utility system software.

(a) The operating system provides file management.

Identify **three** ways that Xander can make use of the file management facility.

1 .....

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2 .....

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3 .....

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[3]

(b) The utility system software provides compression software. Xander uses this to compress an image.

(i) Explain how the compression software will compress the image file.

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..... **[4]**

(ii) Give the name of **two** other types of utility system software.

1 .....

2 .....

[2]

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Turn over

(c) Xander also has a smart watch.

(i) Tick (✓) **one** box to show whether the smart watch or the laptop is an example of an embedded system.

	Is an example of an embedded system
Smart watch	
Laptop	

[1]

(ii) Justify your choice to **part (i)**.

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..... **[2]**

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7 A car comes with many embedded systems, for example parking sensors.

Identify **one** other embedded system that could be found in a car and explain why this is an embedded system.

Example embedded system .....

Explanation .....

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.....

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[3]