GCSE Computing – A451: Software Test

1. Ali's new computer uses a single-user, multi-tasking operating system.

   (a) What is a **single-user** operating system?

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   .... **[2]**

   (b) What is a **multi-tasking** operating system?

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   .... **[2]**

2. A shopkeeper needs software to manage the accounts of her shop. She decides to use off-the-shelf software instead of custom written software.

   Describe **two** advantages to the shopkeeper of off-the-shelf software, compared to custom written software.

   Advantage 1

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   Advantage 2

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   .... **[4]**

3. Describe the following types of common utility programs.

   (a) Antivirus

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   .... **[2]**

   (b) Disk defragmenter

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   .... **[2]**

4. John buys a new computer with an operating system and some utilities.

   (a) State **two** functions of the operating system.

   1...

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   2...

   .... **[2]**

   (b) The table below shows some of the utilities in John's computer. Tick **one** box in each row to show whether the utility is used for security or disk organisation.

Utility	Used for security	Used for disk organisation
Antivirus		
Defragmenter		
File transfer		
Firewall		

   [4]

(c) Some of the software in John's computer is open source. Describe what is meant by open source software.

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.... **[2]**

5. Ali wants to know which utility programs he will need to keep his computer secure and running smoothly.

   Discuss the utility programs Ali will need, justifying why he needs them.

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.... **[6]**