

GCSE Computing

Revision Pack

FIVE

Software

Name:

Attempt One %

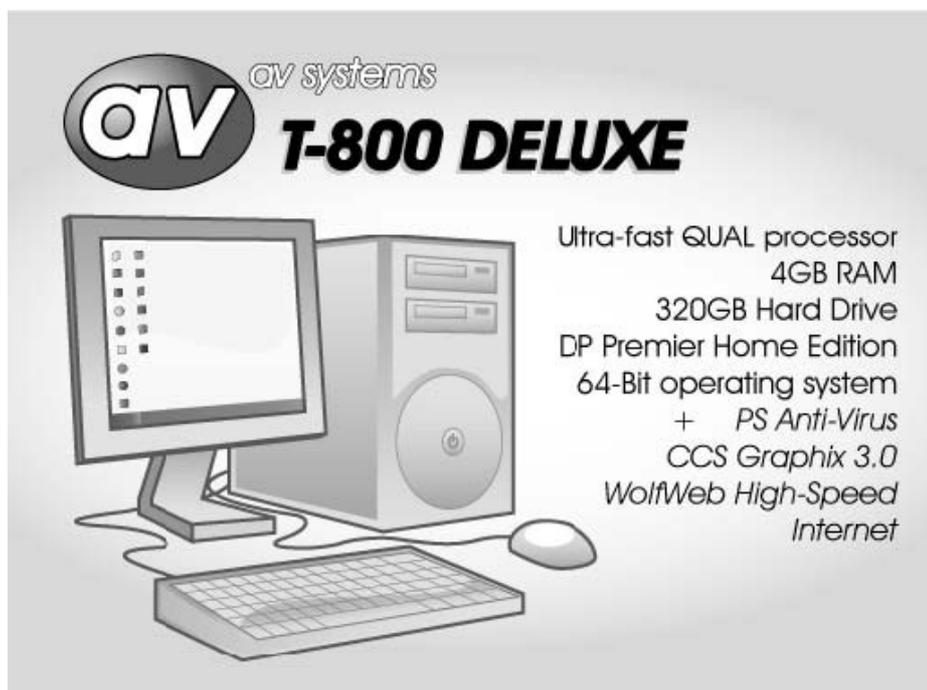
Attempt Two %

Attempt Three %

Areas of Strength

Areas for Development

1. Karen wants to use handheld computers to take customers' orders in her restaurant. She is thinking of using custom written, open source software. State what is meant by custom written software. (1 mark)
2. State **two** reasons why Karen may decide to use custom written software. (2 marks)
3. Discuss the implications of creating open source software for the restaurant. (6 marks)
4. Computer technology has changed the ways in which teenagers interact with each other. Explain how developments in software and hardware have enabled new methods of communication among teenagers. (6 marks)
5. Describe the following types of common utility programs. Antivirus and Disk Defragmenter (4 marks)
6. Some computers are available for public use. Explain why the libraries need the following security measures. User access levels and Firewalls (4 marks)
7. 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 (4 marks)
8. One of the functions of an operating system is multi-tasking. Explain **one** reason why multi-tasking is needed in an operating system. (2 marks)
9. State **two other** functions of an operating system. (2 marks)
10. State **two** advantages of off-the-shelf software. (2 marks)



av systems
T-800 DELUXE

Ultra-fast QUAL processor
 4GB RAM
 320GB Hard Drive
 DP Premier Home Edition
 64-Bit operating system
 + PS Anti-Virus
 CCS Graphix 3.0
 WolfWeb High-Speed Internet

11. Give one example of software from the advertisement (1 mark)
12. What is software (1)

13. Ali's new computer uses a single-user, multi-tasking operating system. What is a **single-user** operating system? (2 marks)
14. What is a **multi-tasking** operating system? (2 marks)
15. 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. (6 marks)
16. Describe how the following system maintenance utilities are used. System cleanup and Automatic update (4 marks)
17. Amin buys a new computer with an operating system and some utilities. State **two** functions of the operating system. (2 marks)
18. The table below shows some of the utilities in Amin's computer. Tick **one** box in each row to show whether the utility is used for security or disk organisation. (4 marks)

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

19. Some of the software in Amin's computer is open source. Describe what is meant by open source software. (2 marks)
20. The manufacturer of the e-book reader provides proprietary software, which Apu can use to transfer the e-book from the CD-ROM to the e-book reader. Describe what is meant by proprietary software. (2 marks)
21. Explain **one** advantage to the manufacturer of providing proprietary software instead of open source software.
22. Julian buys a new laptop with a system information utility and a diagnosis utility. Describe, using examples, the purpose of the system information and diagnosis utilities.

23. Security on a computer can be provided directly by the operating system or by using utility programs. Utility programs include antivirus, file transfer, firewall and system cleanup. State which **two** of these utilities can be used for security. (2 marks)
24. Identify and describe **two** methods by which the operating system can provide additional security directly. (4 marks)
25. A hairdresser uses a relational database to keep records of his clients and their appointments. The hairdresser uses off-the-shelf data-handling software to manage the database. State what is meant by off-the-shelf software. (1 mark)
26. Describe how the data-handling software can be used to set up the structure of the database, before any data is added. (3 marks)
27. State **two** tasks the hairdresser can perform using the data-handling software, once the database is in use. (2 marks)