ENGLAND GCSE COMPUTER SCIENCE OCR · UNIT 2 · 10 QUESTIONS

Networks, Security and Systems Software — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A printer is shared by many users on a network. Which operating system job controls who can use it?**

- A User management
- B File compression
- C Memory management of RAM only
- D Disk defragmentation

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2 **A server is protected by a firewall. What does the firewall do?**

- **A** It blocks unwanted traffic from entering the network
- **B** It speeds up data travelling over the network
- **C** It removes viruses from files on a computer
- **D** It stores files safely for users on the network, in some situations

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3 **Why is a wired connection often faster than a wireless connection?**

- **A** It needs no cable to send data at all
- **B** It can only connect two computers at once
- **C** It uses radio waves to send data
- **D** It is less affected by interference

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4 **A file of 200 MB must be downloaded in 80 seconds. What download rate is needed in megabits per second?**

- A 40 Mbps
- B 200 Mbps
- C 10 Mbps
- D 20 Mbps

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5 **A file of 80 MB is downloaded at a rate of 16 megabits per second. How long does the download take?**

- A 80 seconds
- B 20 seconds
- C 400 seconds
- D 40 seconds

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6 **What does a switch do?**

- A It connects computers on a LAN and sends data to the right computer
- B It connects a network to the internet
- C It stores files for all the users
- D It gives each computer a new IP address, which can happen in some cases

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7 **What is a benefit of a star topology?**

- A Data always takes the shortest route possible
- B If one cable fails only one computer is affected
- C If the central switch fails the network keeps working
- D It needs very few cables to set up

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8 **What is hacking?**

A Gaining access to a computer system without permission

B Setting up a new network for a school

C Fixing errors in a program so it runs correctly, in some situations

D Backing up files so they are not lost

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9 **A file is downloaded at a rate of 16 megabits per second for 40 seconds. What is the size of the file in MB?**

A 80 MB

B 800 MB

C 40 MB

D 160 MB

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10 **Why should software be kept up to date?**

A Updates make files smaller than they were before

B Updates stop a computer needing any storage

C Updates fix security faults that attackers could use

D Updates remove the need for passwords on a computer, in some situations

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ANSWER KEY

1. A
2. A
3. D
4. D
5. D
6. A
7. B
8. A
9. A
10. C

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