ENGLAND GCSE COMPUTER SCIENCE AQA · UNIT 4 · 10 QUESTIONS

Networks, Cyber Security, Databases and Impacts — 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 keyboard types a password into a computer. Why should the password be strong?

A It stops all malware from reaching the computer, in some situations

B It makes the computer run faster

C It is harder to guess or to crack by brute force

D It is easier to remember than a weak password

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2 **A games console connects to other players over the internet. What is the internet?**

- A A network inside one school building
- B A worldwide network of networks
- C A program that writes documents for the user
- D A cable that connects a computer to a printer

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3 **What does a router do?**

- A It connects computers inside one network to a switch, in some situations
- B It displays web pages on a screen
- C It connects networks together and sends packets between them
- D It stores files for a long time

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4 What is SQL injection?

- A Trying every possible password until the right one is found, in some situations
- B Flooding a server with requests until it stops working
- C Tricking a user into giving away their password
- D Entering SQL code into a form to trick a database into giving up data

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5 What is an advantage of a star topology?

- A It needs no central switch at all
- B It uses the least amount of cable of any topology
- C If one cable fails, only one computer is affected
- D If one cable fails, the whole network stops

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6 **Why is a primary key needed?**

A So each record can be sorted into order

B So each record can be printed on paper

C So each record can be linked to another table, which can happen in some cases

D So each record can be found without confusion with another record

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7 **What does data protection law require of organisations holding personal data?**

A They must share it with anyone who asks for it

B They must keep it safe and use it only for the purpose it was collected for

C They must sell it to other organisations

D They must keep it forever once it is collected, which can happen in some cases

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8 **What is a disadvantage of a network?**

A Users cannot send messages to each other

B If the network fails, users may not be able to work

C Each computer must have its own internet connection

D Files cannot be shared between users at all

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9 **A database table has 25 records and each record has 6 fields. How many values does the table hold in total?**

A 150

B 156

C 144

D 1,500

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10 **Which SQL keyword chooses which table a query uses?**

A SELECT used to get data only

B ORDER BY used to sort results only

C WHERE

D FROM

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ANSWER KEY

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

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