ENGLAND GCSE COMPUTER SCIENCE OCR · UNIT 1 · 10 QUESTIONS

Systems Architecture, Memory and Storage — 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 tablet records sound at a higher sample rate. What happens to the file?**

- A It lasts for a shorter time only
- B It is smaller and less accurate
- C It is larger and more accurate
- D It plays back more quietly

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2 **A laptop is running slowly because its RAM is full. What would help most?**

- A Adding more RAM
- B Buying a new mouse for the laptop
- C Adding a larger monitor
- D Using a faster printer

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3 **What is the binary value of denary 160? Give 8 bits.**

- A 10101000
- B 10100000
- C 10011000
- D 01000000

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4 **What is an advantage of Unicode over ASCII?**

A It only represents English letters and digits, in some situations

B It uses fewer bits for each character

C It makes text files much smaller than ASCII

D It can represent characters from many languages

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5 **What does the MAR hold?**

A The result of the last calculation

B The address of the memory location to be used

C The next instruction to be carried out, in some situations

D The data just read from memory

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6 **What is the hexadecimal value of denary 122? Give 2 digits.**

A 6A

B 7A

C 8A

D C4

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7 **What is analogue sound?**

A A sound made only by electronic instruments

B A sound stored as a set of binary numbers

C A sound that can only be played on a computer

D A sound wave that varies smoothly over time

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8 **What does a right shift of one place do to a binary number?**

A It multiplies the number by 2

B It divides the number by 2

C It subtracts 1 from the number

D It divides the number by 20

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9 **The binary number 01101000 is shifted 1 place to the right. What is the denary value of the result?**

A 208

B 520

C 52

D 26

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10 **What is the denary value of hex A?**

A 10

B 9

C 100

D 11

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ANSWER KEY

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

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