ENGLAND GCSE COMPUTER SCIENCE EDEXCEL · UNIT 4 · 25 QUESTIONS

Issues, Impact and Programming — 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 app is free to download but shows adverts. How does the maker of the app earn money?

- A The school pays for every advert
- B Users pay every time an advert appears, in some situations
- C The tablet maker pays the app maker
- D Advertisers pay to show adverts in the app

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2 **Headphones are used with a program that stores a list of songs. What data structure holds the list of songs?**

- A A Boolean value
- B A single variable
- C An array
- D A constant

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3 **A laptop is used by a worker for eight hours a day. Which health problem can come from using a keyboard and mouse for long periods?**

- A A virus on the laptop
- B A slow internet connection
- C A flat battery in the laptop
- D Repetitive strain injury

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4 **A smartphone user reads the same news on a phone and on paper. What is one environmental benefit of reading news on a phone?**

- A Less paper is used
- B The phone produces no waste at all
- C The phone never needs charging
- D The phone uses no electricity

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5 **A smartwatch shows a message from an unknown sender with a link. What should the wearer do?**

- A Tap the link to see what it is, in some situations
- B Reply with a password
- C Do not tap the link and delete the message
- D Forward it to all contacts

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6 **A games console is thrown away with household rubbish. What should happen to it instead?**

- A It should be taken to a recycling centre for e-waste
- B It should be left on the street
- C It should be buried in the garden
- D It should be burned to save space, in some situations

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7 **What is the result of True OR False?**

- A True
- B NOT False is the only other result
- C False
- D True OR False is not a valid check

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8 **What is a Boolean data type?**

- A A number with a fractional part
- B A whole number with no fractional part
- C A value that is either true or false
- D A single letter or symbol

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9 **What does iteration do in a program?**

- A It repeats instructions while a condition is true or a set number of times
- B It joins two strings together end to end
- C It chooses which instructions run based on a condition, which can happen in some cases
- D It stores data in a named store for later use

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10 **How are characters in a string numbered in Edexcel pseudocode?**

- **A** From 0 for the first character
- **B** From 1 for the first character
- **C** From minus 1 for the first character
- **D** From 10 for the first character

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11 **What is declaration of a variable?**

- **A** Printing the value of a variable on the screen
- **B** Stating the name and data type of a variable before it is used
- **C** Reading a value from the user into a variable
- **D** Giving a value to a variable for the first time, in some situations

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12 **What is an index in an array?**

A The number of items in the array in total

B The name given to the array as a whole

C The value stored at a position in the array

D The position of an item in the array

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13 **What is the result of False OR False?**

A NOT False is the only other result

B False OR False is not a valid check

C False

D True

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14 **What is a condition controlled loop?**

A A loop that repeats a fixed number of times

B A loop that repeats until a condition is met

C A loop that repeats forever with no way to stop

D A loop that repeats only once and then stops

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15 **What is the ASCII code for the capital letter A?**

A 66

B 65

C 97

D 650

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16 **What is a constant?**

A A fixed number written into the program code

B A word that starts a loop in the program

C A named store that holds a value that can change, in some situations

D A named store that holds a value that never changes

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17 **In Edexcel pseudocode, what is the index of the first item in an array?**

A Minus 1

B 10

C 0

D 1

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18 **What is the result of True AND False?**

A True AND False is not a valid check

B True

C False

D NOT True is the only other result

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19 **Which data type should be used to store whether a light is on or off?**

A Integer

B Boolean

C Character

D Real

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20 **What is the ASCII code for the digit 0?**

A 49

B 480

C 48

D 47

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21 **What is a variable?**

A A word that starts a loop in the program

B A named store that holds a value that can change

C A named store that holds a value that never changes

D A fixed number written into the program code

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22 **An array holds 10 items. What is the index of the last item?**

A 10

B 90

C 8

D 9

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23 **What is an integer data type?**

A A number with a fractional part

B A single letter or symbol

C A whole number with no fractional part

D A value that is either true or false, in some situations

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24 **What is a count controlled loop?**

- **A** A loop that repeats only once and then stops
- **B** A loop that repeats a fixed number of times
- **C** A loop that repeats forever with no way to stop
- **D** A loop that repeats until a condition is met

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25 **What is the result of joining the strings CAT and DOG?**

- **A** CAT DOG with a space between them
- **B** DOGCAT in the other order
- **C** CATDOG
- **D** CATDOGCAT with the first string twice

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ANSWER KEY

1.	D	**10.**	A	**19.**	B
2.	C	**11.**	B	**20.**	C
3.	D	**12.**	D	**21.**	B
4.	A	**13.**	C	**22.**	D
5.	C	**14.**	B	**23.**	C
6.	A	**15.**	B	**24.**	B
7.	A	**16.**	D	**25.**	C
8.	C	**17.**	C		
9.	A	**18.**	C		

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