

ASCII and Unicode are used to represent characters.

01.1 Every ASCII character is stored in a computer system as a binary bit pattern.

State the minimum number of bits required to represent any of the 128 characters used in ASCII.

[1 mark]

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01.2 State how many **extra** bits will be required to represent a character in ASCII if the number of possible characters were to be extended from 128 characters to 256 characters.

[1 mark]

.....

01.3 The character F is represented in ASCII code as the decimal value 70.

Using this information, state the decimal ASCII code value used to represent each of the characters below.

[2 marks]

B:

N:

02.1 State **two** advantages of using Unicode instead of ASCII.

[2 marks]

1.

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2.

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02.2 Describe **one** disadvantage of using Unicode instead of ASCII.

[2 marks]

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