

Unit 2.6 Data Representation

Lesson 2 – Characters

MCQS

The numbers after the question are an approximate estimation of relative difficulty, broadly based around the new GCSE Numbering System. Please note that these were produced before final guidance was released regarding levels of difficulty and as such should be used as a rough guide only.

Question 1: How many bits are used in ASCII? (1-4)		✓
16		
1		
7		
8		
Question 2: How many Bytes are used in Unicode? (1-4)		✓
8		
16		
1		
2		
Question 3: The ASCII code is represented by using 16 bits. (1-4)		✓
True		
False		
Question 4: The ASCII is capable of representing non-European languages. (3-4)		✓
True		
False		
Question 5: Upper and lower case letters have a different ASCII code? (3-4)		✓
True		
False		
Question 6: What is the maximum number of positive integer values that can be represented in 8-bits? (4-6)		✓
16		
256		
65,536		
128		
Question 7: What is the maximum number of positive integer values that can be represented in 7-bits? (4-6)		✓
16		
256		
65,536		
128		
Question 8: A character set is... (4-6)		✓
What language can be used in a computer system		
The fonts that a computer has installed.		
The possible characters that can be represented by a computer system.		

MCQS

Question 9: ASCII can represent more characters than Unicode? (4-6)		✓
True		
False		
Question 10: ASCII Stands for (6-7)		✓
American Standard Code for Information Interchange		
American Scientific Code for Information Interchanging		
Absolute Standard Codes for Instruction Interchange		

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MCQS ANSWERS

Question 1: How many bits are used in ASCII? (1-4)		✓
16		
1		
7		✓
8		
Question 2: How many Bytes are used in Unicode? (1-4)		✓
8		
16		
1		
2		✓
Question 3: The ASCII code is represented by using 16 bits. (1-4)		✓
True		
False		✓
Question 4: The ASCII is capable of representing non-European languages. (3-4)		✓
True		
False		✓
Question 5: Upper and lower case letters have a different ASCII code? (3-4)		✓
True		✓
False		
Question 6: What is the maximum number of positive integer values that can be represented in 8-bits? (4-6)		✓
16		
256		✓
65,536		
128		
Question 7: What is the maximum number of positive integer values that can be represented in 7-bits? (4-6)		✓
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256		
65,536		
128		✓
Question 8: A character set is... (4-6)		✓
What language can be used in a computer system		
The fonts that a computer has installed.		
The possible characters that can be represented by a computer system.		✓

MCQS ANSWERS

Question 9: ASCII can represent more characters than Unicode? (4-6)		✓
True		
False		✓
Question 10: ASCII Stands for (6-7)		✓
American Standard Code for Information Interchange		✓
American Scientific Code for Information Interchanging		
Absolute Standard Codes for Instruction Interchange		

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