OCR
Oxford Cambridge and RSA

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	
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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)	✓
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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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128	✓
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What language can be used in a computer system	
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The possible characters that can be represented by a computer system.	✓

MCQS ANSWERS

Question 9: ASCII can represent more characters than Unicode? (4-6)	✓
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False	✓
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