**SL Unit 2** **– Computer Organization**  
Quiz 1

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| **Question 1** | | | |
| Objectives: | 2.1.12 | Exam Reference: | May-16 8 |

Construct the truth table for the following expression.  
  
 A xor (B or C) [3]

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| **Question 2** | | | |
| Objectives: | 2.1.10 | Exam Reference: | May-14 7 |

Outline how a colour can be represented in a computer. [2]

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| **Question 3** | | | |
| Objectives: | 2.1.3 | Exam Reference: | May-16 6 |

Describe how the cache memory can speed up the functioning of a processor. [2]

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| **Question 4** | | | |
| Objectives: | 2.1.8 | Exam Reference: | May-14 6 |

Outline, with an example, one benefit of using computer-aided design (CAD) applications. [2]

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| **Question 5** | | | |
| Objectives: | 2.1.13 | Exam Reference: | Nov-14 6 |

Construct a logic diagram for the Boolean expression

A and B or not B. [3]