**SL Unit 2** **– Computer Organization**  
Quiz 3

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| **Question 1** | | | |
| Objectives: | 2.1.2 | Exam Reference: | May-14 5 |

Distinguish between the use of **two** types of primary memory. [2]

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| **Question 2** | | | |
| Objectives: | 2.1.7 | Exam Reference: | Nov-14 1 |

State **one** example of application software. [1]

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| **Question 3** | | | |
| Objectives: | 2.1.2, 2.1.4 | Exam Reference: | Nov-17 8a.b. |

The machine instruction cycle is the process by which a program instruction is fetched,  
decoded, executed and the results are stored.

1. State where all instructions and data are stored. [1]
2. Outline the role of the data bus and address bus in this process. [2]

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| **Question 4** | | | |
| Objectives: | 2.1.10 | Exam Reference: | Nov-14 5 |

The contents of a 12-bit register is represented in hexadecimal as A5F.

1. State its binary representation. [1]
2. State how many different integers can be represented in this register. [1]