**SL Unit 3** **– Networks**  
Quiz 3

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| **Question 1** | | | |
| Objectives: | 3.1.6 | Exam Reference: | May-14 9 |

Define the term data packet. [2]

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| **Question 2** | | | |
| Objectives: | 3.1.8 | Exam Reference: | May-14 10 |

Explain why the speed of data transmission across a network can vary. [3]

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| **Question 3** | | | |
| Objectives: |  | Exam Reference: | May-17 6 |

Identify any **two** of the layers of the OSI model. [2]

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| **Question 4** | | | |
| Objectives: | 3.1.7, 3.1.11 | Exam Reference: | May-17 13.b.c |

A multinational business requires secure communication between its offices in different countries. The business’s salesforce also needs secure remote access, as they travel the world.

Packet switching is used for sending data over the internet.

1. Discuss the importance of protocols in ensuring the successful preparation,   
   transmission and delivery of data using packet switching. [6]

1. Describe **two** advantages to society of the increased availability of WiFi outside the   
   home. [4]