**SL Unit 3** **– Networks**  
Quiz 2

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| **Question 1** | | | |
| Objectives: | 3.1.1, 3.1.10 | Exam Reference: | Nov-14 9 |

1. (a) Outline the differences between a LAN and a VLAN. [3]

(b) Identify **two** factors that should be considered when selecting transmission media. [2]

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| **Question 2** | | | |
| Objectives: | 3.1.15 | Exam Reference: | May-17 12 |

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.

1. (i) Identify **two** different types of network that can be combined to use the internet

to address the above requirements. [2]

(ii) For **one** of the networks identified in part (a)(i), describe the security   
 characteristics that are particular to this network. [3]

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| **Question 3** | | | |
| Objectives: | 3.1.1 | Exam Reference: | Nov-15 2 |

By making direct reference to the technologies used, explain how a virtual private network  
(VPN) allows a travelling salesperson to connect securely to their company’s network. [4]

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| **Question 4** | | | |
| Objectives: | 3.1.1 | Exam Reference: | May-14 8 |

Identify **two** key features of a peer-to-peer (P2P) network. [2]