**SL Unit 1** **- System Fundamentals**  
Quiz 4

|  |  |  |  |
| --- | --- | --- | --- |
| **Question 1** | | | |
| Objectives: | 1.1.3 | Exam Reference: | May-16 Question 1 |

Outline one problem of maintaining legacy systems. [2]

|  |  |  |  |
| --- | --- | --- | --- |
| **Question 2** | | | |
| Objectives: | 1.2.3 | Exam Reference: | Nov-15 Question 5.c |

A school uses a local area network (LAN) which connects several computers and a printer to a server and allows access to the internet.

Identify **one** external threat to the security of the school’s computer system. [1]

|  |  |  |  |
| --- | --- | --- | --- |
| **Question 3** | | | |
| Objectives: | 1.2.14 | Exam Reference: | Nov-15 Question 1.b |

Human interaction with the computer system includes a range of usability problems.

Identify **two** methods that could be used to improve the accessibility of a computer system. [2]

|  |  |  |  |
| --- | --- | --- | --- |
| **Question 4** | | | |
| Objectives: | 1.1.13 | Exam Reference: | May-15 Question 8.d |

An insurance company holds a large database of information about its customers, including  
the date of their next payment.

Describe **one** method that the company could use to prevent data loss. [3]

|  |  |  |  |
| --- | --- | --- | --- |
| **Question 5** | | | |
| Objectives: | 1.2.7 | Exam Reference: | Nov-15 Question 8.a |

A book shop has a computer at each point of sale, and also a central computer.  
When a customer buys a book in the book shop, the salesperson at the point of sale uses a  
scanning device to input a barcode from the book.  
  
The barcode is sent to the central computer where the barcode of each book and the   
corresponding price are held in a database on a disk.  
  
When the price is found, it is sent to the point of sale computer where all necessary  
calculations are performed, details of the transaction are stored on a local disk and a receipt  
is printed out.

Construct a **system flow chart** for the system described above. [5]