

SL Unit 1 - System Fundamentals

Quiz 3 (rubric)

Question 1			
Objectives:	1.1.13	Exam Reference:	Nov-14 Question 2

Identify **two** methods that can be used to prevent data loss.

[2]

Award [1 mark] for each method identified up to [2 marks max].

Failover systems;

Redundancy;

Removable media;

Offsite / online storage;

Question 2			
Objectives:	1.1.1	Exam Reference:	May-14 Question 1

Identify **two** features that need to be considered when planning a new computing system for an organization.

[2]

Roles/activities of the users (*eg* permissions, security, partitions, collaborative work);

Resources (HW and SW equipment) appropriate for the organization;

Costs/budget limits;

Delivery time;

Compatibility with the old system (data);

(Other acceptable answers are possible, from the economic, operational and technical perspective.)

Question 3			
Objectives:	1.2.5	Exam Reference:	May-14 Question 3

Describe **one** advantage and **one** disadvantage of using observations to gather information when planning a new system.

[4]

Award [1 mark] for the identification of an advantage and [1 mark] for explaining the advantage.

Award [1 mark] for the identification of a disadvantage and [1 mark] for explaining the disadvantage.
Advantages

*Quick/first hand/realistic information on data/software/hardware/users/procedures in the current system.
Help better understand positive and negative features of the current system (for example problems in accessing or validating data/user errors/security issues, etc.).*

Can highlight aspects that are not detected in questionnaires/interviews so the observer can help produce more detailed reports.

Disadvantages

Time consuming / expense.

The observer might need to observe a complete "cycle" which could last a significant amount of time.

If the observations are made by only one person, they may be biased.

Question 4

Objectives: 1.1.14

Exam Reference:

May-15 Question 6

Describe **one** way that software developers can ensure that the users are aware of any available updates for their products.

[2]

Award up to [2 marks max].

Award [1 mark] for communication with user – email/ pop up etc.

Award [1 mark] for method of installation of update – automatic/ link/ in list for user to install etc.

When the software is installed and registered (a cookie is placed on the machine);
This communicates with the software developer automatically on start up;
Messages about updates are sent back to the machine and alerts are given;

OR

Send an email;

With a link to the update;

Question 5

Objectives: 1.2.2

Exam Reference:

Nov-15 Question 5.a.b

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

(a) Define the term *server*.

[1]

A computer system that serves as a central repository of data and programs and is shared by clients;

(b) Identify the different clients in this network.

[1]

Computer / Printer;