Summative assessment – Questions

## Memory and storage

Q1. Which **two** of the following apply to Read Only Memory (ROM)?

* Volatile
* Stores boot sequence
* Read and write
* Non-volatile
* Stores data and instructions during processing

Q2. Whichof the following statements describes a method of storing data on an optical disc?

1. Data is stored on the platters as a series of magnetised dots, which can be one of two states — magnetised or not-magnetised.
2. Data is stored in a grid of cells — each cell has a floating gate transistor that allows an electrical charge to be trapped.
3. Data is stored in the form of pits and lands burned into the surface by a laser.

Q3. Which type of RAIDsystem uses a minimum of four disks with blocks which are striped and mirrored?

1. RAID 1
2. RAID 5
3. RAID 10

Q4. Which is the correct definition of the term ‘striping’in RAID systems?

1. The process of breaking data into segments and then spreading it across drives.
2. The process of adding extra data that can be used to detect errors.
3. The time taken to read data from storage.
4. The time taken to write data to storage.

Q5. Explain **one** difference between a Network Attached Storage (NAS) and a Storage Area Network (SAN).

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