

Examination Questions

1. Two forms of primary memory are RAM and ROM. Explain the main differences between and uses of RAM and ROM.

[4]

2. A supermarket checkout uses a variety of Input, Output and Storage devices. State one device of each type which would typically be used and describe the purpose of the device and why you have chosen it.

Input device

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..... [2]

Output device

..... [2]

Storage

..... [2]

3. Explain why a smartphone company might choose to use a solid state storage device in its mobile devices over a magnetic storage device.

..... [2]



3 – Input, output and storage (AS / A Level)

UNIT 1











Specification Points / Learning Objectives:

PGOnline text book page ref: 16-28

AS Level	A Level	Specification point description
1.1.3a	1.1.3a	How different input output and storage devices can be applied as a solution of different problems
1.1.3b	1.1.3b	The uses of magnetic, flash and optical storage devices
1.1.3c	1.1.3c	RAM and ROM
1.1.3d	1.1.3d	Virtual storage

Expectations / Learning Outcomes:

- Terms 27-35 from your **A Level Key Terminology** PowerPoint should be included and underlined.
- You must include a clear comparison which shows the differences (Adv. & Dis.) of RAM & ROM.
- You must show, in the form of diagrams, a clear understanding of how magnetic, flash and optical medium are able to store representations of digital 1's & 0's.
- You must provide a clear explanation of virtual storage and under what situations it might be utilised.

Grade	TG.	Breadth	Depth	Presentation	Understanding
 A/A*		ALL	LINK / FORMULATE Create, Generate, Hypothesis, Reflect, Theorise, Consider	 Quad Core	 Quad Core
 B/C		MOST	EXPLAIN / ANALYSE Apply, Argue, Compare, Contrast, Criticise, Relate, Justify	 Dual Core	 Dual Core
 D/E		SOME	DESCRIBE / IDENTIFY Name, Follow Simple Procedure, Combine, List, Outline	 Single Core	 Single Core
 U		FEW	Very little depth of understanding shown		

MY ASSESSMENT GRADE IN THIS TOPIC IS:

How To Improve:

My Response Is: (Set yourself specific targets / objectives as to how you will achieve your HTI)

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