

## Examination Questions

1. Modern games consoles come with GPUs. Describe the role of the GPU and explain how it works with the CPU to order to help speed up processing.

..... [4]

2. Explain two advantages of and **two** disadvantages of a CISC processor architecture over a RISC processor architecture.

### Advantages

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## Disadvantages

..... [4]

3. Some computer systems take advantages of multiple cores and parallel processing. Explain these concepts making reference to how they help to improve a computers performance.

..... [5]



## 2 – Types of processor (AS / A Level)

# UNIT 1











**Specification Points / Learning Objectives:**

**PGOnline text book page ref: 12-14**

AS Level	A Level	Specification point description
1.1.2a	1.1.2a	The differences between, and uses of, CISC and RISC processors
	1.1.2b	GPUs and their uses (including those not related to graphics)
1.1.2b	1.1.2c	Multicore and parallel systems

**Expectations / Learning Outcomes:**

- Terms 22-26 from your **A Level Key Terminology** PowerPoint should be included and underlined.
- You must include a section which clearly compares the differences between, and uses of CISC and RISC processors
- You must include a diagram which illustrates the different types of processor systems such as multicore systems, parallel systems and co-processor systems (e.g. GPUs)

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