6-A-Day – Computer Science GCSE (32)

Q1

Statement	True	False
CPU stands for Central Processing Unit	✓	
The CPU fetches and decodes instructions	✓	
The speed of a CPU is usually measured in GigaHertz (GHz)	✓	
If a CPU has many cores, this slows down the computer		✓
The hard disk drive is part of the CPU		✓

One mark per row

5

Q2

Points may include:
- Game console has input devices, usually specialised controllers but also keyboards, microphones etc similar to desktop computer
- Output is similar to desktop computer on a screen and speakers (sometimes using the same standards eg HDMI, DVI)
- Game console usually has an optical drive so that the software to be run can be inserted. Many also have a hard disk drive which is the same as that used on a desktop computer.

6

High Level Response (5–6 marks)
A detailed comparison of game consoles and desktop computers referring to input, output and storage devices. There will be few if any errors in spelling, grammar and punctuation. Technical terms will be used appropriately and correctly.

Medium Level Response (3–4 marks)
A comparison is made between desktop computers and game consoles, with at least two of input, output and storage devices mentioned but may not be described in detail. There may be occasional errors in spelling, grammar and punctuation. Technical terms will be mainly correct.

Low Level Response (1–2 marks)
There is an attempt to compare game consoles and desktop computers but some of the statements are incorrect or irrelevant. Information will be poorly expressed and there will be limited, if any, use of technical terms. Errors of grammar, punctuation and spelling may be intrusive.

Response not worthy of credit (0 marks)

Q3

eg
- To enter data from outside the system for processing

1

Q4	Answer: 10011010 *(one mark per nibble if partly wrong)*	2
	Allow 1 mark for 01011001	

Q5	• Constant: PlayerKey • Variable: Position/KeyPressed.	2
	Must be the identifier only and no additional code	

Q6	Selection • A condition is used to decide whether code should be executed • Position = Position + 1 is only run if the IF condition is met. Iteration • code is executed repeatedly • The code in the repeat loop will be run several times (until Position = 100).	4