**Lesson 1: Components**

|  |  |
| --- | --- |
| 1 | A |
| 2 | C |
| 3 | One mark per bullet   * Converts electrical power from an external source…. * …… It supplies power to essential parts of the computer (including the motherboard, CPU, storage drives, and other hardware. |
| 4 | Graphics Card (1)  Responsible for rendering images, video, and animations (1)  …..essential for gaming/video editing/other graphics-intensive applications. (1)  Sound Card (1)  Processes audio signals (1)  which is output through speakers or headphones. (1)  Network Interface Card (NIC) (1)  Allows the computer to connect to a network (1)  ….A wired NIC uses an Ethernet port for a wired connection/a wireless NIC (Wi-Fi card) connects to wireless networks. (1) |
| 5 | Fan   * Fans circulate air to reduce the temperature (1) * ….of critical components like the CPU and GPU. (1)   Heat sink   * metal plates that absorb and disperse heat away from components (1) * to prevent overheating. (1)   Liquid cooling   * use coolant to absorb (1) * ….and transfer heat efficiently (1) |
| 6 | Any three from:   * Universal Serial Bus (USB) ports * Display ports (e.g. HDMI) * Ethernet ports * Audio ports. * Any other reasonable example |