Form 4	Term 2	451 - Computer Studies	23-Mei-16	Weekly Ambush

ADM……. NAME …… CLASS ……..

1. State **four** characteristics which make computers better than human beings. **(2011#2)** (4marks)

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2. Give **three** reasons why primary storage devices are not used for secondary storage. **(2011#3)** (3 marks)

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3. The accounts department of a secondary school is using a system that generates invoices that are printed in triplicate using carbon papers. **(2011#5)**

   (a) Name one type of printer suitable for this task. (1 mark)

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   (b) (Give a reason for your answer in (a) above (1 marks)

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4. A secretary saved a document in a computer. After some time, she could not remember the name and the location of the file. State **four** file details that are assigned a file by the operating system which can assist in tracing the file. **(2011#6)** (2marks)

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5. A student tried opening an application program on a computer that was functioning well. The program did not load and the operating system reported that the memory was insufficient. Give **two** causes of such response. **(2011#7)** (2marks)

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6. Identify **three** hardware considerations to be made before installing an operating system. **(2011#9)** (3marks)

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7. State the purpose of each of the following memories in a computer system. **(2010#9)** (2marks)

   a. RAM ……

   b. Hard disk ……

8. State **two** reasons why it is necessary to use standard furniture in a computer Laboratory. **(2010#12)** (2marks)

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9. With reference to quality of print, noise level and cost. Compare a dot matrix with a Laser printer **(2009#2)** (3marks)

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10. Name **four** toggle keys on a standard keyboard **(2009#8)** (2marks)

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11. (a) Name **two** buses found in the computer motherboard **(2009#12)** (2marks)

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(b) State the purpose of each of the types of buses in a above (2marks)

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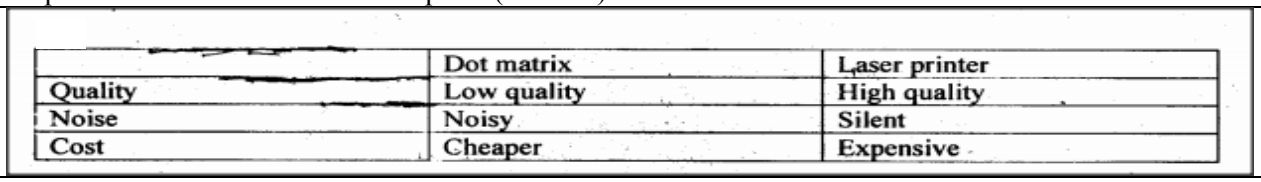
Marking Scheme

1.	- Computers can be automated or programmed. - Computers are fast. - Computers are capable of performing repetitive tasks. - Computers can store a lot of information. - Computers are accurate. - Can do dangerous tasks. - Give quality output. - Diligence /don't get tired/sick.	
2.	- They are more expensive. - They hold less volume of data. - They are volatile hence cannot store information once power is off. - Its shorter access time is dependent on the memory size hence increasing the size of primary memory will eventually lead to longer access time. - ROM cannot store data	
3.	(a) Impact printer/Dot matrix/Daisy wheel. (b) It prints by using spokes which hit the paper hard. The energy is transferred to attached carbon papers	
4.	File properties: - File types. - File extension. - File size. - Creating time/date of storage/saves time. - Owner/Account used. - Time of modification date. - Usage conditions/File attributes (Read Only/Archives/Hidden). - Protection information. - Contents of the file - Access time.	
5.	- System infected with viruses which occupy memory space. - Many utilities are running in the background (e.g. antivirus). - Many applications are opened. - RAM may be smaller than the required or part of RAM corrupted. - Corrupted Registry.	
6.	Hardware consideration: - Main memory size/volume/capability. - Hard disk size. - Available input devices. - Available output devices. - Processor specification i.e. speed/type/hardware. - Monitor resolution. - Bandwidth for busses (e.g. 64-bit) - Compatibility - Configuration - Warranty terms for hardware.	
7.	a) RAM -Holds data that is urgently need by the processor b) Hard disk -Used to hold large volumes of data that is not urgently required by the processor — also for back up of OS and data.	
8.	• Prevents people from straining. • Table sizes allow all equipment to fit. • Optimization/utilization of room space. (2 marks)	
9.		
10.	Toggle keys . Caps Lock	

	Dot matrix	Laser printer
Quality	Low quality	High quality
Noise	Noisy	Silent
Cost	Cheaper	Expensive

	. Num Lock . Insert key/OVR . Scroll Lock	
11.	a) Address bus b) Data bus/SATA bus/IDE/ATA/I/O c) Control bus **(any 2@ 1 mark each)** d) Address bus - Memory location/used to locate storage positions/transmit memory locations e) Data bus- Data transmission f) Control bus- Transmit control signals/ transmit instruction signals **(2marks)**	