| Form 1 | All Terms | 451 - Computer Studies | 29-Mei-16 | Weekly Ambush |

ADM…………. NAME ………………………………………………………………… CLASS ……..

1. a) Describe an input device. **(2008#1)** (1 mark)

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   b) Other than scanning devices, name **two** other input devices. (1 mark)

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2. Distinguish between the following: **(2008#2)**

   (a) CRT and LCD (2 marks)

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   (b) OCR and OMR. (2 marks)

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3. (a) What is meant by freeware? **(2008#3)** (1 mark)

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   (b) State **two** ways of acquiring freeware. (1 mark)

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   ………

4. Headache, back and neck pain may result from use of computers. State how each of them can be minimized. **(2008#11)** (2 marks)

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5. Distinguish between formatting a disk and scanning a disk with reference to operating systems. **(2008#14)** (2marks)

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6. Describe the computer booting process. **(2007#1)** (2 marks)

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7. State the functions of the following keys on the computer keyboard:

   (2007#2) (2 marks)

   (a) backspace ....

   (b) insert (ins) ....

8. Jane has noticed the following problems in her computer: **(2007#3)**

   ✓ it is taking a longer time to start up;

   ✓ it is often hanging;

   ✓ Applications are taking longer to load. .

State **three** possible causes of these problems and how they can be solved (3 marks)

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9. (a) Define authenticity as used in software selection.   **(2007#4)** (1 mark)

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   (b) List **four** ways of acquiring software in an organization.   (2 marks)

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10. Some of the storage disks available are: Zip disks, $3\frac{1}{2}$ inch floppy disks, DVDs and $5\frac{1}{4}$ inch floppy disks. Arranges these devices in an ascending order of Storage capacity.   **(2007#4)**   (2 marks)

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11. List **four** factors to be considered when purchasing an operating system.

   (2007#14)   (2 marks)

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Marking scheme

1	a)	A device that takes raw data and converts it into computer processable form or hardware used to get data into a computer.(1mark)
	b)	Keyboard, Mouse, Joystick, Pointing devices, Keying devices (1 mark)
2	(a)	**CRT**:- A display unit built around the vacuum tube containing one or more electron guns whose electron beams rapidly sweep horizontally across the inside of the front surface of the tube which is coated with a material that glows when irradiated. **LCD**: - A type of display that uses a liquid compound having a polar molecular structure, sandwiched between two transparent electrodes. When an electric field is applied, the molecules align with the field forming a crystalline arrangement that polarizes the light passing through it. A polarized filter laminated over the electrodes locks polarized light. In this way, a grid of electrodes can selectively urn on" a cell, or a pixel, containing the liquid crystal material turning it dark. (2 marks)
	(b)	**OCR** :- Type of scanning technology that reads special pre-printed characters and converts them into computer usable form, while **OMR** -Scanning technology that reads pencil marks and converts them into computer usable form. (2 marks)
3	a)	Software that is available free of charge. (1 mark)
	b)	-Downloaded from the internet. -Donation from others. -From a developer. (1 mark)
4		**Headache** ✓ Use of filters/antiglare. ✓ Proper lighting. ✓ Regular break. (1 mark) **Back & Neck Pain** ✓ Proper/correct furniture for the computer. ✓ Correct position of the screen. ✓ Correct sifting posture. (1 mark) ✓ Taking a break.
5		✓ **Formatting** a disk is the process of preparing a disk or other storage medium for use, including setting up an empty file system, while ✓ **Scanning** a disk is the process of checking and correcting bad blocks or disk errors on any writable media, such as a hard disk, zip, floppy or super disk cracking for virus. (2 marks)
6		✓ When the computer is switched on, the computer does power on self-testing (POST). ✓ Reads the system file in the ROM. ✓ Loads the operating system after checking the drive(s) containing it ✓ The operating system checks the input) output devices.
7	a)	**Backspace**: Deletes the characters to the left of the cursor /insertion point. Moves the cursor one space to the left.
	b)	**insert:** Switches between insert and type over or overwrite modes
8		✓ **Too many programs installed** - uninstall unnecessary programs, increase main memory or upgrade the processor with a faster one. ✓ **Corrupted system files:** re-install the operating systems and the applications. ✓ **Virus attack**. Load the latest anti-virus and clean the computer.
9	a)	Information regarding the source of the software or a proof of origin of software.
	b)	✓ In-house developed. ✓ Outsourcing the software. ✓ Buying ready-made. ✓ Freeware/Shareware.
10		$5\frac{1}{4}$, $3\frac{1}{2}$, Zip disks, DVDs. (2 marks)
11		✓ Hardware configuration, for example Memory size. ✓ Modell design, for example IBM. ✓ Application intended for the computer. ✓ User friendliness ✓ Availability in the market. ✓ Cost. ✓ Reliability.
		Want more? See pricing at www.manyamfranchise.com/signin