Province of the

EASTERN CAPE
EDUCATION

DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)

HOME SCHOOLING SELF-STUDY WORKSHEET ANSWER SHEET 53

SUBJECT	COMPUTER APPLICATIONS TECHNOLOGY	GRADE	12	DATE	22/6/20
TOPIC	SYSTEM TECHNOLOGIES: Revision	TERM 1 REVISION		TERM 4 CONTENT	✓

| 1 | More than one website/pages can be opened/closed in a single window Ease of navigation between open websites/greater browsing efficiency Allows for normal as well as private browsing in the same window Taskbar is less cluttered Allows multiple home pages that all open automatically Organise tabs in a group to save as a favourite Less resource-intensive than running a seperate instances/copies for each page of the same browser, etc. ✓✓ (Any two)

(Note to marker: Do NOT accept general answers that apply to all browsers. Accept open many pages at the same time.) | | 2 |

2	- A person's physical characteristics are unique - The person concerned has to be present for the input - Physical characteristics cannot be easily falsified - Passwords are often left around/guessed/hacked, etc. ✔✔ (Any two) *(Note to marker: Do not accept any reference to cost.)*		2
3.1	- RAM/Memory - CPU - CPU related e.g. heat sink, cache. - GPU/graphics card - Hard drive/SSD ✔✔ (Any two) *(Note to marker: Do not accept only the word storage.)*	2	

| 3.2 | A trackpad/touchpad is a touch sensitive area✔ where the user can move the pointer on the screen by touching the trackpad/touch surface instead of using a mouse

AND

Usually built into devices such as a laptop/cannot be removed Less intuitive to use/Takes more time to position cursor accurately Operations where multiple clicks are involved may be more difficult Drag and drop operations could be more difficult Can accidentally be touched thereby moving the cursor to an unintended place on the screen Cannot be used for gaming/Less responsive Sweaty, dirty and moist fingers/Wearing gloves/Anything that causes a barrier can disrupt the movement of the pointer, etc. ✔ (Any one) | 2 | |

3.3	- High contrast ratios - Low power consumption/Generates less heat - Occupies less physical space/Slimmer - High resolution/Good image quality/Less eye-strain/Less glare - Less radiation/health hazards - Available in larger sizes - Additional ports, etc. ✓✓ (Any two) *(Note to marker: Reference to green computing must be motivated. Do not accept references to smart TV's.)*	2	
3.4	- Impossible/Difficult to upgrade - Costly to repair - Whole machine needs to go in if a repair is needed, etc. ✓ (Any one) *(Note to marker: Do not accept reference to damage due to dropping. Accept references to monitor size being restricted.)*	1	
			7

4.1	Laser printer/(Networked) office copier ✓ **AND** - High speed - Cost effective on high volume ~~black and white~~ prints ✓ (Any one) *(Note to marker: If the first mark is wrong (e.g. inkjet), only award the second mark if the motivation for the incorrectly recommended printer is correct e.g. high quality printouts for inkjet printers.)*	2	
4.2	- Connectivity via network/wireless e.g. Wi-Fi, Bluetooth, etc. - Integrated software features, e.g. remote printing - 3D printing - Memory card reader/Direct printing from flash drive - Erasable toner/Unprinting - Touch screen/pad interface, etc. ✓✓ (Any two) *(Note to marker: Accept one reference to multifunction can fax/copy/scan/collating/binding/etc.)*	2	4
5.1	Scattered parts of files ✓ re-organised ✓ into an adjacent/ contiguous area/together *(Note to marker: Do not accept scattered files.)*	2	6

| 5.2 | *Problem*: Malware/Virus infection ✓
Solution: Remove the infection with an antivirus program/removal tool ✓

AND/OR

Problem: Too many programs open at the same time for the amount of RAM available/memory full/Programs running in the background ✓
Solution: Close unused programs/Find and close any unnecessary programs running in the background ✓

AND/OR

Problem: Software updates being automatically downloaded
Solution: Switch off automatic updates

AND/OR

Problem: Defective application/bug
Solution: Update/Replace defective applications

AND/OR

Problem: Too many unnecessary files/temporary files on the hard drive
Solution: Use Disk Cleanup/Remove unnecessary files or programs

(Note to marker: Do not accept any reference to defragmentation or upgrade issues.) | 4 | |

6	Computer on a network✓ that has been compromised/taken over/hacked✓ to perform malicious tasks		2
7	Software/Hardware that prevents unauthorised access ✓ to or from a computer over a network/Internet ✓ *(Note to marker: Do not accept answers that confuse an anti-virus with a firewall.)*		2
			[25]