Province of the

EASTERN CAPE
EDUCATION

DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)

HOME SCHOOLING SELF-STUDY WORKSHEET ANSWER SHEET 49

SUBJECT	COMPUTER APPLICATIONS TECHNOLOGY	GRADE	12	DATE	15/6/20
TOPIC	SYSTEM TECHNOLOGIES: Revision	TERM 1 REVISION		TERM 4 CONTENT	✓

1	• i7 3.0 GHz CPU • 8 GB DDR3 • 1600 MHz RAM • 802.11 a/b/g/n ✓✓ (Any two) *(Note to marker: Accept any valid reference to the specifications.)*		2
2	RAM temporarily✓ only holds/stores programs/data currently being/waiting to be processed by the CPU. Hard drive stores all programs/data/files/information/Hard drive is permanent storage✓.		2

3	- Architect - Gamer - Scientist/Engineer - Programmer/Software developer - Photographer - Video editor - Games developer/designer - Web designer - Graphics designer, etc. ✔✔ (Any two) *(Note to marker: Accept any valid answer that relates to a category of power user as opposed to typical end-user categories.)*		2
4.1	One device that has the functionality of many devices/Combining functions of multiple devices in a single device✔	1	
4.2	- Smartphone/Cell phone - Tablet/Phablet - Smart watch - Smart TV - Multi-function printer, etc. ✔ (Any one) *(Note to marker: Accept any valid example.)*	1	2
5	- USB 3.0 802.11 a/b/g (Wi-Fi) ✔ (Any one)		1
6	Driver✔		1
7	OCR ✔		1

8	8 MP webcam/Higher resolution webcam✓ produces images/video of a higher quality that uses more data✓		2
9	• More durable/No moving parts • Faster (data transfer rates) • More energy efficient/Uses less power/Promotes green computing • No noise • Not affected by magnetism ✓✓ (Any two)		2
10	• (Wi-Fi) router • Wireless access point (WAP) • (USB) modem or dongle or mobile phone ✓ (Any one) *(Note to marker: Do not accept the 802.11 specification or hotspot.)*		1

11.1	Microphone/Headset✓ *(Note to marker: Do not accept headphones.)*	1	
11.2	• Can take long to train the software to the individual/Is not very accurate • Background noise can affect the recognition process • Microphone quality can reduce effectiveness of recognition • Easily affected by voice inflections/accents/changes in voice due to colds, etc. ✓✓ (Any two) *(Note to marker: Do not accept any items not related to using voice recognition software such as cost, etc. Accept 'not readily available in all languages'.)*	2	3

12	• Anti-virus scan running • Defragmentation program running • Large download occurring/Uploads such as cloud storage sync occurring • Accept any issues relating to updates not being done or updates being done and slowing down performance • Outdated drivers or software • Too many add-ons installed on the browser • Using memory intensive programs • Too many applications open/Excessive use of virtual memory, etc. ✓✓ (Any two) *(Note to marker: Do not accept any items relating to hardware.)*		2

13	• Central updating/changing of prices • More efficient stock control/keep track of goods • Much faster process at checkout • Facilitates analysis of sales data • Greater accuracy/Fewer mistakes by scanning barcodes/prices, etc. ✓✓ (Any two)		2
14	• Provide basic security • Provide a user interface/GUI • Starting up and shutting down a computer • Manage software • Manage memory • Co-ordinate tasks • Configure devices/Install drivers • Manage hardware/peripherals/manage resources/manage storage/file management, etc. ✓✓ (Any two)		2
			[25]