Province of the

EASTERN CAPE
EDUCATION

DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)

HOME SCHOOLING ASSESSMENT 19 ANSWER SHEET

SUBJECT	COMPUTER APPLICATIONS TECHNOLOGY	GRADE	12	DATE	31/7/20
TOPIC	Assessment 19: Integrated Scenario	TERM 2 REVISION		TERM 4 CONTENT	✓

1.1	RFID uses radio waves ✓	1	
1.2	Barcodes are read using light/optics ✓	1	2
2	• No need to manually type in the URL • Fewer errors are made, as when manually entering the URL • QR code scanners (software) can be downloaded/used for free • Can store extra information such as logos, etc. ✓(Any one)	1	1
3.1	• Facebook • MySpace • LinkedIn • Google+ • Twitter • Pinterest • Tumblr • Instagram • Flickr, etc. ✓✓(Any two) *(Note to marker: Accept any other example of social networking websites.)*	2	
3.2	• Wider coverage/audience for advertising • Cheap advertising • Targeted advertising • Feedback, etc. ✓✓(Any two)	2	

3.3	• Avoid posting offensive material ✓ • Do not flood users with unnecessary posts/content ✓	2	6
4.1	• GPS maps are updated regularly • Voice prompts can be used in a car • No need to have a paper map folded open which takes up a lot of space • Routes can be planned automatically by the device • Safer to use voice prompts than trying to read a map whilst driving, etc. ✓✓ (Any two)	2	4

4.2	• To find the exact place again where a picture has been taken • Helps organise photographs by location where the photos were taken • Pinpoint the location on an application such as Google Maps, etc. ✓✓ (Any two)	2	
5.1	The phablet has a larger screen/screen size ✓ *(Note to marker: Do not accept higher resolution or a vague reference to the phablet being larger)*	1	
5.2	A new (high speed) cellular ✓ data connection/upgrade from 3G ✓	2	
5.3	• Android is open source • Android is free • A large support base/Number of apps is available for Android • Often updated with new features, etc. ✓✓ (Any two)	2	
5.4	• Provide a GUI • Provide basic security • Provide basic file handling • Platform to install utilities/apps • Control input and output devices • Allows users to make/receive calls, etc. ✓✓ (Any two) *(Note to marker: Accept specific examples.)*	2	

5.5	Cellular data is usually more expensive ✓	1	8
6.1	• Lock his office when he is not there • Lock the computer in a safe when not being used • Using a cable lock • Activate alarm/motion sensors when he is not in the office • Security guards, etc. ✓✓(Any two)	2	
6.2	• Facial recognition • Fingerprint • Iris/retinal scan • Voice recognition • Card with biometric data used in the card reader ✓✓(Any two)	2	4

7	• A specific problem in the coding of the software or feature within the software • Error made in the programming of the software ✓(Any one)		1
8.1	• More intuitive to use • No extra input devices needed • The on-screen keyboard can be changed as needed, etc. ✓✓ (Any two)	2	
8.2	Pinch/Pinch in ✓	1	3
9.1	A collection of related applications commonly used in an office environment. ✓	1	
9.2	• Easy to share data • The applications have a similar interface • Cheaper to buy a suite than to buy programs separately, etc. ✓✓ (Any two)	2	
9.3	• Application will be kept up to date automatically • Can be used from any computer connected to the Internet • Does not use storage space on the local computer, etc. ✓ (Any one)	1	6

9.4	- When the data requires more general record processing as opposed to numerical data processing - When record processing/queries are required - More options for data validation - When good reporting facilities are required ✓✓(Any two) *(Note to marker: Accept specific scenarios of the above.)*	2	
10	- No need to decipher bad handwriting - Data is already in electronic format and can be exported to a spreadsheet - Data validation can be used - Less paper will be used - Do not have to store the completed forms, etc. ✓✓(Any two)		2

11	- Consistent use of font/font size - Consistent use of colour - Graphics should support or explain content - All links should work - Provide navigational links such as home, back to the top - No spelling/grammar errors - Pages should not be too busy - Contain correct/accurate information - Provide contact details, etc. ✓✓✓(Any three)		2
12	- Malware infection - Software corruption - Power surge/failure - Hardware defect/damage ✓(Any one)		1
13	- Data can be accessed anywhere he has Internet access - Should the computer/storage media be damaged or stolen the data is not lost - Potentially saves storage space on his hard drive - Saves money in terms of purchasing extra storage - The cloud storage service provides synchronisation services between devices - The service could allow sharing of data ✓✓ (Any two)		2

14	• Installing new hardware/software • Updating/removing/uninstalling software • Adding/removing users • Monitoring and preventing online threats • Maintains networks/LANs/WANs/Wireless networks • Identifies and resolves connectivity issues • Sets up the security of the network, etc. ✓✓✓ (Any three)		3
15	• Update content regularly • Use catchy titles/informal style • Ask for and respond to feedback/criticism/comments • The text should be easy to read/correct spelling • Use an attractive template/design • Consistent design/formatting • Choose an easy to remember URL, if possible • Make it possible to subscribe via RSS • Write concisely/Use short sentences/paragraphs/bulleted lists • Check quality/quantity/relevance of graphics • All links should work • Provide a way for privately contacting the author, etc. ✓✓ (Any two)		2
16.1	It can record confidential information ✓. (Note to marker: Accept suitable examples of confidential information such as usernames and passwords.)	1	
16.2	• Spam filter • Prevent spyware infections • Firewall ✓ (Any one)	1	2

5