



Province of the
EASTERN CAPE
 EDUCATION

DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)

HOME SCHOOLING ASSESSMENT 14 ANSWER SHEET

SUBJECT	COMPUTER APPLICATIONS TECHNOLOGY	GRADE	12	DATE	26/6/20
TOPIC	Assessment 14: Integrated Scenario	TERM 2 REVISION		TERM 4 CONTENT	✓
1.1	<ul style="list-style-type: none"> Quality of the lens Quality/size/type of sensor, e.g. CMOS performs better in low light than CCD, colour depth On-board software/Software filters ISO rating Digital vs. optical zoom Image stabilisation Image processor Megapixel value/Resolution Shutter speed Flash, etc. <p style="text-align: right;">✓✓ (Any two)</p> <p><i>(Note to marker: Do not accept answers not related to specification such as cost, brand name etc.)</i></p>			2	
1.2	<ul style="list-style-type: none"> Update the software/firmware/operating system/drivers/download a patch Reset to factory default/Reinstall the original software <p style="text-align: right;">✓ (Any one)</p>			1	
1.3(a)	<ul style="list-style-type: none"> HDTV/Smart TV Computer monitor Projector <p style="text-align: right;">✓ (Any one)</p> <p><i>(Note to marker: Also accept television/TV. Do not accept laptop, tablet, etc.)</i></p>			1	
1.3(b)	4" (4 inches) ✓			1	5

2.1	<ul style="list-style-type: none"> • A device driver allows for communication between the device/camera and the computer/operating system • The device driver allows the operating system/computer to control the device/camera • It allows the computer to 'see'/use/recognise the device/camera. <p style="text-align: right;">✓ (Any one)</p>	1	
2.2	<ul style="list-style-type: none"> • As part of the operating system already stored on the computer • Stored on-board/on the camera • (Automatically) downloaded from the Internet, etc. <p style="text-align: right;">✓ (Any one)</p>	1	4
2.3	<ul style="list-style-type: none"> • Memory card reader • Bluetooth • 3G/Wi-Fi (such as Eye-Fi)/E-mail • Automatically uploads/synchronises to cloud storage such as Dropbox • Firewire <p style="text-align: right;">✓✓ (Any two)</p>	2	
3	<ul style="list-style-type: none"> • Lower the resolution/DPI value of the photograph • Change to monochrome/grey scale • Crop parts of photo not needed • Compression/Change file format • Reduce the photograph dimensions, etc. <p style="text-align: right;">✓✓ (Any two)</p>		2
4	<ul style="list-style-type: none"> • Video chat/conference/call e.g. Skype • Vodcast/vlog • Profile pictures • Security feature to show the user remotely over the Internet what the webcam is seeing <p style="text-align: right;">✓✓ (Any two)</p> <p><i>(Note to marker: Security feature must be used with the Internet.)</i></p>		2

5.1	<ul style="list-style-type: none"> • Make regular backups • Keep backups off-site • Rotate storage media used for backup (use more than one DVD) • Use more than one storage medium (use DVD, external hard drive in combination, cloud storage) • Checking that backups are viable/can be used to restore data • Incremental backup/only backup new or changed files • Use a clear file structure/labels/meaningful names • Automate the backup process • Exclude certain file types, etc. <p style="text-align: right;">✓✓ (Any two)</p>	2	
5.2(a)	<ul style="list-style-type: none"> • Access to the cloud depends on the availability/quality of the Internet connection • Limited free storage available • Uses up data bundle which can be expensive on smartphones • Can't be sure that his photographs will be kept private/safe • Continued viability of cloud storage provider, etc. <p style="text-align: right;">✓✓ (Any two)</p>	2	5

5.2(b)	New photographs taken with his smartphone will automatically✓ be uploaded to the cloud/New photographs are synchronised to all devices connected to the service	1	
6.1	GPS uses satellites/cellular towers ✓ to find the geographical location ✓ of the GPS device	2	
6.2	<ul style="list-style-type: none"> • Find the location of where a photo was taken e.g. geotagging • Import the GPS coordinates to a computer to record the locations where the photos were taken, e.g. Google Maps. <p style="text-align: right;">✓ (Any one)</p>	1	3
7	<ul style="list-style-type: none"> • More space for a larger screen due to fewer physical buttons • On-screen menus and buttons can be customised/different layouts • Gestures e.g. swiping • More intuitive use/Easier to work with, etc. <p style="text-align: right;">✓✓ (Any two)</p>		2

8.1	High-speed/High bandwidth (permanent) Internet connection✓	1	
8.2	<ul style="list-style-type: none"> • Coverage/Signal strength • Need for mobility or not • Additional services offered, e.g. web hosting, technical support • Speed • Cap/Uncapped/Amount of data • Shaped and unshaped • Fair usage policy, etc. <p style="text-align: right;">✓✓✓ (Any three)</p> <p><i>(Note to marker: Do not list cost or other non-technical issues. Do not accept 'size'.)</i></p>	3	
8.3	<ul style="list-style-type: none"> • Cheaper calls • Calls cost the same irrespective of distance • Can make calls to multiple platforms such as smartphone to a laptop/computer/tablet/Skype device <p style="text-align: right;">✓ (Any one)</p> <p><i>(Note to marker: Accept see the person you are calling.)</i></p>	1	5
9.1	<ul style="list-style-type: none"> • Wireless connections can be used in some cases where cables cannot reach or be used • Portable devices can be moved around and stay connected/Mobility • Less clutter of cables • Easier to add/connect additional equipment/nodes, etc. <p style="text-align: right;">✓✓ (Any two)</p>	2	3

9.2	To connect the computers to the network ✓/The physical connection between the computing device and the communications medium/allows communication between the networking device and the network	1	
10.1	<ul style="list-style-type: none"> No need to distribute manually to all interested parties Parties can be notified automatically of new uploads The photographs might be made available to the general public/Can be accessed from anywhere Photos can be grouped into electronic albums Used as an alternative backup method Showcasing/Attracting comments, etc. <p style="text-align: right;">✓✓ (Any two)</p>	2	
10.2	<ul style="list-style-type: none"> Respect privacy of individuals before posting/Sensitive aspects of photographs could lead to embarrassment Photographs should not be offensive Permission must be sought before posting e.g. for under-age subjects, etc. <p style="text-align: right;">✓✓ (Any two)</p> <p><i>(Note to marker: Do not accept reference to privacy settings.)</i></p>	2	
			4

11.1	Monitor/Display/Screen ✓	1	
11.2	<ul style="list-style-type: none"> No need for using/carrying along cables to connect a camera No need to install drivers to access each camera Can read a variety of media types Memory cards can be used to store data other than photographs like a flash drive, etc. <p style="text-align: right;">✓✓ (Any two)</p>	2	
11.3	<ul style="list-style-type: none"> Batteries are needed which can go flat Signal interference Devices are more expensive Devices are easier to track/steal, etc. <p style="text-align: right;">✓✓ (Any two)</p> <p><i>(Note to marker: Accept reference to distance limitation.)</i></p>	2	
11.4	Temporary storage✓ of data and instructions	1	
11.5	<ul style="list-style-type: none"> More programs/data can be loaded Less need for reading/writing to or from the slower hard drive Less need for virtual memory <p style="text-align: right;">✓(Any one)</p>	1	
			7

12	<ul style="list-style-type: none"> • It can be altered/changes can be made • Source code is available to be edited • Improvements/can be changed to suit your needs/updates are shared with others • Can be installed on multiple computers without legal action, etc. <p style="text-align: right;">✓ (Any one)</p>		1
13.1	<ul style="list-style-type: none"> • Print preview/prevent documents being printed which are obviously not correct/needed • Use both sides of the paper/Buy a printer which can print on both sides of a page • Send documents electronically • Use recycled paper/Unprinting • Print two/multiple pages to a sheet, etc. <p style="text-align: right;">✓✓ (Any two)</p>	2	
13.2	<ul style="list-style-type: none"> • Switch off equipment you are not using • Use power schemes/settings of the computer • Make use of energy efficient equipment, etc. <p style="text-align: right;">✓✓ (Any two)</p>	2	4
14	<ul style="list-style-type: none"> • Input masks • Required fields • Default values • Validation rule • Using specific data formats • Field sizes • Lookup wizard • Primary key, etc. <p style="text-align: right;">✓✓✓ (Any three)</p>		3