Province of the

EASTERN CAPE
EDUCATION

DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)

HOME SCHOOLING ASSESSMENT 16 ANSWER SHEET

SUBJECT	COMPUTER APPLICATIONS TECHNOLOGY	GRADE	12	DATE	10/7/20
TOPIC	Assessment 16: Integrated Scenario	TERM 2 REVISION		TERM 4 CONTENT	✓

1	**_TWO specifications to consider when buying a printer_** (1) Resolution/DPI/Quality of the printouts (2) Printer speed/PPM (3) Connectivity options, e.g. Wireless, USB, etc. (4) Printer capacity (industrial level)/Duty cycle (5) Multifunction ability, e.g. copying, scanning, etc. (6) Paper size/Borderless printing (7) User interface options (8) Duplex/Two-sided printing option (9) Colour/Monochrome printing (10) Printing technology, i.e. size and number of ink tanks, toner, etc. (11) Paper tray capacity ✓✓ (Any two)	2	2
2.1	**_ONE kind of damage to a computer from a power surge_** (1) Hardware damage, e.g. to power supply, motherboard, etc. (2) Corruption/Loss of data ✓ (Any one)	1	
2.2	**_TWO ways to dispose of a computer in an environmentally friendly way_** (1) Recycle the components (2) Use a service provider/retailer that disposes of e-waste (3) Re-use/sell/donate working components ✓✓ (Any two)	2	3

3.1	**Type of user that uses high-end hardware and software**		
	Super/Power user✓	1	
3.2	**TWO reasons to restrict access to the server room**		
	(1) Additional layer of access control for employees (2) To prevent burglaries/theft of data/hardware (3) To prevent physical damage/vandalism/tampering with the network		
	✓✓ (Any two)	2	
3.3	**TWO reasons for blocking USB ports**		
	(1) Theft of data/Unauthorised copying of data (2) Flash drives often carry viruses (3) Prevents employees from attaching other devices (4) Prevents employees from bringing in games/personal documents/software, etc.		
	✓✓ (Any two)	2	5

4	**TWO benefits of grid computing**		
	(1) Large processing tasks are shared over many computers/Enormous processing power		
	(2) Can use existing resources/No need to buy an expensive supercomputer		
	(3) The failure of one computer will not affect processing of tasks		
	(4) Scaling of processing power is easy		
	(5) Uses idle resources		
	✓✓ (Any two)		2
5.1	*Cause of the software problem*		
	Bug ✓		
	Solution		
	(1) System restore/Roll back to previous date/time where the software worked properly		
	(2) Install a patch/service pack (from the vendor website)		
	(3) Re-install the software		
	✓ (Any one)		
	(Note to marker: Accept 'Glitch' as the cause with 'Restart' as the solution.)	2	
5.2	**TWO reasons why OS updates should NOT automatically download on networked computers**		
	(1) Automatic updates may use a lot of bandwidth		
	(2) Automatic updates may use a lot of storage space		
	(3) Updates may slow down the network/Computers may restart automatically to install updates during times when they are in use		
	(4) Updates may cause the computers/network to become unstable/May cause compatibility issues with existing software/ Possible introduction of bugs		
	(5) OS updates may not be needed by the users		
	✓✓ (Any two)		
	(Note to marker: Do not accept any answer related to data usage and cost.)	2	4

6.1	**TWO reasons for _automatic_ backups**		
	(1) Saves time due to scheduled backups/No user intervention required for backups		
	(2) Ensures backup is always/regularly/timeously done/Employees may forget if done manually		
	(3) Time/schedule backups when computers are not in use		
	✓✓ (Any two)		
	(Note to marker: Do NOT accept reasons for a backup that is NOT automatic.)	2	
6.2	**TWO guidelines in the policy for making backups, other than making regular backups or setting automatic backups**		
	(1) Only backup when computers are not being used		
	(2) Do not store backups in the same location as the original data/Specify location of backups		
	(3) Specify a storage medium		
	(4) Backup to multiple types of media		
	(5) Do incremental backups to save space/data/Only backup recent data and not everything		
	(6) Do not backup software/programs that can be reinstalled		
	(7) Encrypt sensitive data on backup/Ensure changes cannot be made to the backup		
	(8) Testing of backups		
	(9) Responsible person for backups		
	✓✓ (Any two)	2	4
7.1	**Technology that is used to obtain location data**		
	GPS✓	1	
7.2	**Term for the data that is embedded in a picture file**		
	Metadata✓ /Geotagging	1	2
8.1	**Why the data type of StationID is Short Text**		
	(1) No calculations will be done		
	(2) The zero at the start of the number will display/In a Number data type the zero at the start of the number will not display		
	(3) It may be a code in which the numbers carry a specific meaning		
	✓ (Any one)	1	
8.2	**How to sort rainfall values in ascending order per station**		
	(1) Group by StationName✓		
	(2) Sort by Rainfall✓	2	3
			[25]