



Province of the
EASTERN CAPE
 EDUCATION

DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)

HOME SCHOOLING ASSESSMENT 13 ANSWER SHEET

| | | | | | |
|----------------|---------------------------------------|----------------------------|----|---------------------------|---------|
| SUBJECT | COMPUTER APPLICATIONS TECHNOLOGY | GRADE | 12 | DATE | 19/6/20 |
| TOPIC | Assessment 13: Integrated Scenario | TERM 2 REVISION | | TERM 4 CONTENT | ✓ |

| | | | |
|-----|---|--|---|
| 1 | <ul style="list-style-type: none"> Adjustable height/set to correct height/arms at right angles Ability to swivel Wheels for easy movement Lumbar/Back support, etc. <p style="text-align: right;">✓ (Any one)</p> <p><i>(Note to marker: Do not accept a general answer such as 'comfortable'.)</i></p> | | 1 |
| 2.1 | The lowest/minimum possible specifications ✓ (hardware/software) needed for the program to load/run ✓ | | 2 |
| 2.2 | <ul style="list-style-type: none"> While programs will run with the minimum specifications they will perform optimally with higher specifications Hardware would be relevant/usable for a longer period of time/Will be able to run newer/older versions of software More resources to enable multi-tasking Computer would be compatible with a wider range of software/hardware, etc. <p style="text-align: right;">✓✓ (Any two)</p> | | 2 |
| 2.3 | Monitor/Screen/Display ✓ | | 1 |
| 2.4 | <ul style="list-style-type: none"> More expensive to buy/Not free Cannot copy or distribute Do not have access to/Cannot alter or add to source code Newer versions often need higher hardware specifications Proprietary software sometimes needs higher hardware specifications to run than OSS, etc. <p style="text-align: right;">✓✓ (Any two)</p> | | 2 |

| | | | |
|-----|--|---|----|
| 2.5 | <ul style="list-style-type: none"> • Remove unwanted programs/files • Perform housekeeping to remove duplicate files • Move/Archive unused/large files to a different storage device/the cloud • Remove temporary/cached files • Uninstall operating system features/components not required • Compress files/folders • Disable hibernation • Reduce virtual memory files • Empty recycle bin, etc. <p style="text-align: right;">✓✓ (Any two)</p> <p><i>(Note to marker: Accept references to using utilities such as Disk Cleanup but do not accept a reference to installing a new hard drive or replacing the current one.)</i></p> | 2 | |
| 2.6 | <ul style="list-style-type: none"> • Limited functions available/Less functionality • Uses data/cap/data bundle • Must have Internet connectivity • Can drastically slow down the Internet connection speed when many people are using the programs • Increased data costs, etc. <p style="text-align: right;">✓✓ (Any two)</p> | 2 | 11 |
| 3 | <ul style="list-style-type: none"> • Service packs contain all patches/updates released to date/Patches and updates do not have to be done individually/fixes bugs • Improved security options/New features included • Ensures that all available patches/updates (to that point) have been installed • Service packs can be obtained on media that does not require Internet access/use of cap, etc. <p style="text-align: right;">✓✓ (Any two)</p> | 2 | 2 |
| 4.1 | <ul style="list-style-type: none"> • Print directly from memory cards • Allows a variety of media types to be used • Saves time by not having to log on and send to the printer • Can use printer without logging on. • Do not even need to have printer connected to a network/computer/device, etc. <p style="text-align: right;">✓✓ (Any two)</p> <p><i>(Note to marker: Do not accept answers relating to connecting the printer to a USB port.)</i></p> | 2 | |
| 4.2 | <p>Filter/Pivot Table ✓</p> <p><i>(Note to marker: Do not accept sorting.)</i></p> | 1 | |

| | | | |
|-----|---|---|---|
| 4.3 | <ul style="list-style-type: none"> • Use print preview before printing/Proofread electronically • Print multiple pages on a single piece of paper • Print on both sides of a page • E-mail documents/Use cloud storage • Reduce font sizes • Only print sections needed and not full documents, etc. <p style="text-align: right;">✓✓ (Any two)</p> | 2 | |
| 4.4 | <ul style="list-style-type: none"> • Refill the cartridge • Return to manufacturer/seller/dispose of it in an eco-friendly way • Take to a recycling facility/Take to a refurbishing/re-manufacturing company, etc. <p style="text-align: right;">✓✓ (Any two)</p> | 2 | 7 |

| | | | |
|-----|--|---|---|
| 5.1 | <ul style="list-style-type: none"> • On a manufacturer/third party website/On the Internet • Already part of/supported by the operating system/On the computer already <p style="text-align: right;">✓ (Any one)</p> <p><i>(Note to marker: Do not accept 'from a shop'. Accept a specific explanation of getting the driver.)</i></p> | 1 | |
| 5.2 | <p>(a) Colour depth refers to the number of colours✓ that can be recognised by the scanner.</p> <p>(b) The dpi indicates the resolution/amount of pixels✓ the scanner uses to compose a scanned image.</p> | 2 | 3 |

| | | | |
|-----|---|---|---|
| 6.1 | <ul style="list-style-type: none"> • More up-to-date information • Potentially wider range of information • Easier to narrow down search/results • Already in electronic format/ quicker to manipulate • Easier to share/distribute information • Many learners can access the same resources at the same time • Faster/Easier to compare/access information from different sources • Access to multimedia materials, etc. <p style="text-align: right;">✓✓ (Any two)</p> <p><i>(Note to marker: Do not accept faster without qualification.)</i></p> | 2 | |
| 6.2 | Firewall✓ | 1 | |
| 6.3 | A website✓ (web page) that allows multiple users to add/edit content✓ directly on the website. | 2 | 5 |

| | | | |
|-----|---|---|---|
| 7.1 | <ul style="list-style-type: none"> • Can easily lose/damage a flash drive • Flash drives have a limited life-span • Basic versions of cloud storage are free • Can access the information from any computer connected to the Internet/No need to carry around a flash drive • Allows for easy sharing of files • Potentially larger storage capacity of cloud storage • Automatic synchronisation of files/folders • Copies of files are available in a secure location • Automatic services such as security and backup handled by the storage provider, etc. <p style="text-align: right;">✓✓ (Any two)</p> <p><i>(Note to marker: Accept any specific example.)</i></p> | 2 | |
| 7.2 | <ul style="list-style-type: none"> • Synchronisation/Synching functionality • Set reminders • Use scheduling utility/scheduling option on backup software, etc. <p style="text-align: right;">✓ (Any one)</p> | 1 | 3 |
| 8.1 | <ul style="list-style-type: none"> • Webcam • Microphone <p style="text-align: right;">✓ (Any one)</p> | 1 | |
| 8.2 | <ul style="list-style-type: none"> • Access to/Interact with expert teachers (without having to travel) • Saves travel costs/time • Teacher can teach to a wider audience • Lesson can be recorded/Re-used, etc. <p style="text-align: right;">✓✓ (Any two)</p> <p><i>(Note to marker: Do not accept answers that are common to 'conventional' teaching such as 'set a test', etc.)</i></p> | 2 | |
| 8.3 | <ul style="list-style-type: none"> • Need not wait for entire download to finish before watching it • Live feeds can be streamed • Do not need to have the storage required to save large videos before watching <p style="text-align: right;">✓ (Any one)</p> | 1 | |
| 8.4 | <ul style="list-style-type: none"> • Potentially better quality images/video • No/Less need for darkened conditions • Can use video conferencing features provided with some of these devices • Limited lamp life • No need for a separate projection screen/flat surface to project onto, etc. <p style="text-align: right;">✓✓ (Any two)</p> | 2 | 6 |

| | | | |
|------|---|---|---|
| 9.1 | <ul style="list-style-type: none"> Prevent theft/Expensive asset/Potential loss of data if stolen Only staff with correct credentials will have access to the room/machine Security reasons/Easier to control access to a separate room, etc. <p style="text-align: right;">✓ (Any one)</p> | 1 | |
| 9.2 | <ul style="list-style-type: none"> Injury to your finger will reduce the effectiveness of the biometric sensor Some users have fingerprints which are not recognised/no fingerprints Person has to be physically present to be added to the system Faulty sensors/Power failure can cause authorised users to be locked out <p style="text-align: right;">✓✓ (Any two)</p> <p><i>(Note to marker: Do not accept cost issues or answers such as 'no one else can access the system'.)</i></p> | 2 | 3 |
| 10 | <ul style="list-style-type: none"> Relevant data can be more easily extracted using queries/ Easier to perform queries/more facilities for querying Professional reports can easily be created/Better reporting facilities Ease of capturing data using forms More validation tools/validation techniques Designed to work with larger volumes of information Designed specifically to work with records/Spreadsheet more suited to numerical calculations Relational tables are possible Automatic saving and updating after adding records, etc. <p style="text-align: right;">✓✓ (Any two)</p> <p><i>(Note to marker: Accept any example of data validation tools or techniques not present in a spreadsheet.)</i></p> | | 2 |
| 11.1 | <p>Currency✓</p> <p><i>(Note to marker: Do not accept Number only. Accept number formatted to currency.)</i></p> | 1 | |
| 11.2 | <p>Short Text/Text✓</p> <p><i>(Note to marker: Do not accept Number/Memo/Long text.)</i></p> | 1 | |
| 11.3 | <p>Memo/Long Text✓</p> | 1 | |
| 11.4 | <p>OLE ✓object/attachment</p> <p><i>(Note to marker: Do not accept 'hyperlink' or 'attachment' as the picture must be stored in the field itself.)</i></p> | 1 | |

| | | | |
|----|---|--|---|
| 12 | <ul style="list-style-type: none"> • Create a query✓ that sorts the amounts/select the option to choose the top 10 highest amounts ✓ <p>OR</p> <p>Sort the table according to the total and select the top 10 and copy the top 10 records to a new table</p> <ul style="list-style-type: none"> • Create a report based on the query/table✓ produced with top 10 donors <p><i>(Note to marker: Do not accept a rewording of the question such as 'create a report'.)</i></p> | | 3 |
|----|---|--|---|

TOTAL OF ALL QUESTIONS: 50