



Province of the
EASTERN CAPE
 EDUCATION

DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)

HOME SCHOOLING SELF-STUDY WORKSHEET ANSWER SHEET 33

SUBJECT	COMPUTER APPLICATIONS TECHNOLOGY	GRADE	12	DATE	25/5/20
TOPIC	SYSTEM TECHNOLOGIES REVISION	TERM 1 REVISION		TERM 4 CONTENT	✓
1	<p><i>TWO types of computer users</i></p> <ul style="list-style-type: none"> • Home user • Personal user • SOHO user • Mobile user • Enterprise/Office user <p style="text-align: right;">✓✓ (Any two)</p>				2
2	<p><i>Open source operating system (Linux) vs enterprise operating system (Windows)</i></p> <ul style="list-style-type: none"> • FOSS has a less formal support structure • FOSS source code is available/FOSS can be modified • FOSS is generally free of charge • Operating systems have a different approach to the UI <p style="text-align: right;">✓✓ (Any two)</p>				2

3	<p><i>TWO advantages of web applications over installed applications</i></p> <ul style="list-style-type: none"> • The latest/updated version of the software (web application) is used • Web applications run irrespective of the operating system or device provided the browser is compatible • Saves hard drive/storage space • Subscription costs are lower than purchasing the software outright • Available on multiple devices provided internet connectivity is available • May possibly contribute to reducing software piracy as applications are readily available <p style="text-align: right;">✓✓(Any two)</p>		2
4	<p><i>TWO practical examples of where RFID tags are used</i></p> <ul style="list-style-type: none"> • Tracking/identification, i.e. timing of marathon runners, animals, airline luggage, location of soldiers, library books, etc. • Tap and Go/Contactless payments • E-tolls: tracking vehicles moving through toll gates for payment purposes • Stock/inventory control, e.g. supermarkets, DVD store, etc. • Security access control • Preventing theft/misplacing of goods • Gauging pressure and temperature of tyres on a vehicle, etc. <p style="text-align: right;">✓✓(Any two)</p>		2
5	<p><i>TWO reasons for touch screens on portable devices</i></p> <ul style="list-style-type: none"> • More intuitive to use • Navigation is easier for most users, e.g. swiping/swyping/trace typing • Multi-touch functionality increases variety of operations • Devices can possibly be made smaller • No need for a physical keyboard/Both input and output <p style="text-align: right;">✓✓(Any two)</p>		2
6	<p><i>TWO advantages of a micro USB port over a standard USB port</i></p> <ul style="list-style-type: none"> • Is standard on most mobile devices, can share chargers/connectors✓ • Takes up less space/Device can be made smaller/thinner✓ 		2

7.1	<p>TWO reasons for hard drives compared with DVDs for backup (excluding costs)</p> <ul style="list-style-type: none"> • HDD has more capacity • HDDs have faster access speeds • More convenient to save to HDD • DVDs are more likely to be damaged • DVD writers are not standard on newer PCs <p style="text-align: right;">✓✓(Any two)</p>	2	
7.2	<p>TWO ways to free up space on an external hard drive</p> <ul style="list-style-type: none"> • Delete unwanted file/Run the Disk Cleanup utility/Clear Recycle bin • Compress data • Reduce resolution of image/multimedia files <p style="text-align: right;">✓✓(Any two)</p>	2	
7.3	<p>TWO reasons for external HDD becoming corrupted when making a backup</p> <ul style="list-style-type: none"> • Virus infection • Power failure during data transfer • Faulty USB port/Faulty cable • Corrupted driver • Drive failure during the backup process • Vibration/jolting during backup process, if device is moved • HDD removed during the process <p style="text-align: right;">✓✓(Any two)</p>	2	6

8	<p><i>TWO reasons why there is no display on a screen</i></p> <ul style="list-style-type: none"> • Faulty power • Faulty cable • Cable not connected/Screen not switched on • Faulty graphics card/motherboard/port/computer • Driver problems • Issues resulting from using multiple display devices <p style="text-align: right;">✓✓(Any two)</p>		2
9	<p><i>TWO reasons why software fails to install</i></p> <ul style="list-style-type: none"> • (Software/Installation media) not compatible with operating system/device • Corrupt/Incomplete installation file • Computer does not meet the minimum system requirements, e.g. RAM, CPU, Hard drive, etc. • Need to uninstall old/existing version first • No internet access that the installation may require • User account does not allow software installations/Administrator rights required • Does not have a valid licence key/Does not agree to terms of use <p style="text-align: right;">✓✓(Any two)</p>		2
10	<p><i>ONE limitation of a 3D printer</i></p> <ul style="list-style-type: none"> • Model size is limited to the printer size • Can only print in one material at a time • Not suitable for mass production/It takes long to print objects • Not all objects can be created/printed • Complete re-print is required if any errors occur <p style="text-align: right;">✓ (Any one)</p>		1
11	<p><i>TWO reasons for text being cut off at the edge of a printout</i></p> <ul style="list-style-type: none"> • Printer is not capable of printing close to the edge/Does not have borderless capabilities • Printer properties and the page set up of the document do not correspond/Printer margin settings override the document margins • Printer cannot cater for the specified page size • Paper gets misaligned as it passes through the printer <p style="text-align: right;">✓✓ (Any two)</p>		2
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