



Province of the
EASTERN CAPE
 EDUCATION

DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)

HOME SCHOOLING SELF-STUDY WORKSHEET 53

SUBJECT	COMPUTER APPLICATIONS TECHNOLOGY	GRADE	12	DATE	22/6/20
TOPIC	SYSTEM TECHNOLOGIES: Revision	TERM 1 REVISION		TERM 4 CONTENT	✓
TIME ALLOCATION	30 Minutes	<p><u>TIPS TO KEEP HEALTHY</u></p> <ol style="list-style-type: none"> WASH YOUR HANDS thoroughly with soap and water for at least 20 seconds. Alternatively, use hand sanitizer with an alcohol content of at least 60%. PRACTICE SOCIAL DISTANCING – keep a distance of 1m away from other people. PRACTISE GOOD RESPIRATORY HYGIENE: cough or sneeze into your elbow or tissue and dispose of the tissue immediately after use. TRY NOT TO TOUCH YOUR FACE. The virus can be transferred from your hands to your nose, mouth and eyes. It can then enter your body and make you sick. STAY AT HOME. 			
INSTRUCTIONS	<ol style="list-style-type: none"> This is a Theory Worksheet: You will need a book to write your answers in and something to write with. Answer the following questions in your workbook. WHERE TO FIND THE ANSWERS: <ul style="list-style-type: none"> You may use your CAT textbook to find the answers or alternatively, you can use the free downloadable CAT textbook provided by the Department of Basic Education. See the link below to download this book. THEORY COMPUTER APPLICATIONS TECHNOLOGY: https://drive.google.com/drive/folders/17mOqPgJ1vHiwcErERV10jnEQgd6xpyj-?usp=sharing With thanks to the Department of Basic Education and the sponsorship of MTN this digital book and exercises are utilized by our CAT Grade 12 learners 				

- 1 Most modern web browsers have a feature called tabbed web browsing.
State TWO advantages of tabbed web browsing. (2)
- 2 Give TWO reasons why biometric input can be more secure than using traditional measures such as passwords. (2)
- 3 Buying a computer can sometimes be very difficult because there are so many hardware options to consider.
 - 3.1 Name TWO of the main components on a computer that have a significant effect on the overall processing performance of the system. (2)
 - 3.2 Explain what a *trackpad/touch pad* is and state ONE disadvantage of using a trackpad/touch pad instead of a normal mouse. (2)
 - 3.3 LED monitors have replaced CRT monitors.
State TWO advantages of LED monitors. (2)
 - 3.4 State ONE possible disadvantage of having a built-in monitor on a computer such as a notebook computer. (1)
- 4 A business has to decide which printer they should purchase to print pamphlets in large volumes.
 - 4.1 Recommend a type of printer for their needs AND give a reason to support your recommendation. (2)
 - 4.2 Name TWO new technologies or additional features that appear in modern printers. (2)
- 5 The opening of programs on a computer sometimes becomes slower over a period of time.
 - 5.1 A support technician suggests that the hard drive might be fragmented. He recommends defragmenting the hard drive.
Briefly describe what occurs during the defragmentation process. (2)
 - 5.2 Identify TWO other software-related problems that could reduce the speed of a computer, besides fragmentation. Write down a potential solution for EACH of the problems you identify (it could be done in the form of a table). (4)

- 6 Explain what a *zombie* is in an ICT context. (2)
- 7 What is the function of a firewall? (2)
- [25]**