



Province of the
EASTERN CAPE
 EDUCATION

DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)
HOME SCHOOLING ASSESSMENT

SUBJECT	COMPUTER APPLICATIONS TECHNOLOGY	GRADE	12	DATE	10/04/20
TOPIC	Hardware	TERM 1 REVISION	✓	TERM 2 CONTENT	(Please tick)
TIME ALLOCATION	60 minutes (40 marks)	<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 an Assessment on the work done during the week. You will need a book to write your answers in and something to write with. Answer the following questions in your workbook in full sentences where applicable. Do not refer back to your textbook while answering these questions. For the short questions all you need to do is write down the number and the corresponding letter (Part 1,2 and 3) In the True and False questions, you have to give the correct word if the answer is False to get the mark. In Part 4 you have to answer in detail to get the marks. One word answers will not be acceptable here. 				

PART 1: MULTIPLE CHOICE

- 1.1 Which of the following is an example of memory? (1)
- A. RAM
 - B. HDD
 - C. SSD
 - D. GPU
- 1.2 Which of the following is NOT a communication device? (1)
- A. Router
 - B. Switch
 - C. USB flash
 - D. Wi-Fi card
- 1.3 Which of the following networks would a home user use? (1)
- A. WAN
 - B. LAN
 - C. HAN
 - D. WLAN
- 1.4 Which of the following storage is NOT physical? (1)
- A. Blu-ray disk
 - B. ROM
 - C. Cloud storage
 - D. Internal hard drive
- 1.5 Which of these problems has to do with the computer's software? (1)
- A. The mouse is not responding
 - B. The computer is overheating
 - C. The computer cannot connect to the printer
 - D. The computer keeps freezing when you run a program

[5]

PART 2: TRUE OR FALSE

Indicate if the following statements are TRUE or FALSE. Correct the statement if it is false.

Change the underlined word(s) to make the statement true.

- 2.1 SOHO users are people who work at home and in small offices. (1)
- 2.2 A smartphone is ideal for a mobile user. (1)

- 2.3 When you use a keyboard, make sure that your elbow does not bend a lot. (1)
- 2.4 A digital camera captures photographs and stores them on an internal hard drive. (1)
- 2.5 Cache is located on the hard disk, while RAM is located on the CPU. (1)
- [5]

PART 3: MATCHING ITEMS

Choose a term or concept from Column B that matches a description in Column A. (5)

COLUMN A	COLUMN B
3.1 Over the years, Mary-Anne's computer has started performing slower	A. Input device B. Output device C. Network error D. Processing device E. Printer error F. Communication device G. Storage device H. Display screen error I. Embedded device
3.2 Kabelo uses loud speakers to listen to his favourite music	
3.3 Patrice saves all her college assignments on her flash drive so that she can access them with any computer	
3.4 Sangram uses a router to connect his smartphone to his laptop and tablet	
3.5 Busisiwe's computer keeps disconnecting from the internet every ten minutes	

[5]

PART 4: CATEGORISATION QUESTIONS

Classify the following pieces of hardware as input, processing, output, or communication devices. (10)

HARDWARE	TYPE OF DEVICE
4.1 Touch screen	
4.2 Headphones	
4.3 Printer	
4.4 GPU	
4.5 SSD	
4.6 Microphone	
4.7 Modem	
4.8 CD/DVD writer	
4.9 Scanner	
4.10 Router	

[10]

PART 5: MEDIUM QUESTIONS

- 5.1 Provide three examples of an input device that a paralysed person would use. (3)
- 5.2 How do you access and use the *Optimise Drives* tool? (5)
- 5.3 If you want to watch a video on YouTube, what hardware do you need? Mention ONE piece of hardware you will need for each step of the information-processing cycle. (5)
- 5.4 Which do you think is better, wired or wireless input devices? Give a reason for your answer. (2)

[15]

TOTAL: [40]