Province of the

EASTERN CAPE

EDUCATION

DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)

HOME SCHOOLING SELF-STUDY WORKSHEET

SUBJECT	COMPUTER APPLICATIONS TECHNOLOGY	GRADE	12	DATE	07/04/20
TOPIC	**Hardware**: Buying the correct hardware, Computer users, Buying recommendations, Productivity, efficiency, accuracy and accessibility issues	TERM 1 REVISION	✓	TERM 2 CONTENT	(Please tick)

TIME ALLOCATION	30 Minutes		

INSTRUCTIONS	1. This is a Theory Worksheet:
	2. You will need a book to write your answers in and something to write with.
	3. Answer the following questions in your workbook.
	4. **WHERE TO FIND THE ANSWERS:**
	   • 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. Write down the correct answer for each of the following questions.
    a. Which one of the following is the abbreviation for the largest unit used to measure storage?
        A. Gb
        B. Kb
        C. Mb
        D. Tb
    b. For which type of user is the following list of components intended: Core 2 Duo processor, 4 Gb memory, 500 Gb hard drive and a DVD reader?
        A. Power
        B. SOHO
        C. Home
        D. Disabled
    c. An ultrabook is a preference for which travelling users?
        A. Power
        B. SOHO
        C. Home
        D. Disabled
    d. Mobile users require a device that has which of the following features?
        A. A large amount of processing power
        B. A large amount of storage space
        C. A long battery life
        D. A high-definition display
    e. Which of the following is NOT an example of a computer user?
        A. Entitled
        B. Home
        C. Disabled
        D. Mobile

2. Choose a term or concept from Column B that matches the description in Column A. Write only the letter next to the question number.

COLUMN A	COLUMN B
2.1 User type most likely to use an SSD	A. Mobility/3G connection
2.2 A computer with the lowest hardware specifications and is the most affordable in its category	B. Mobile user
2.3 Users most likely to use a computer with the lowest hardware specifications and one that is most affordable in its category	C. Gamer
2.4 The amount of these user types is constantly increasing	D. Power user
2.5 What mobile users require	E. SOHO user
	F. Entry level
	G. Exit level
	H. Home user

3. Say if the following statements are TRUE or FALSE. Correct the underlined word(s) if it is false.
   a. The type of user that uses the most graphic processing power is a <u>home</u> user.
   b. Stephen Hawking was a <u>power</u> user.
   c. <u>Screen resolution</u> determines how much information you can view on a screen at a time.
4. Answer the following questions:
   a. What are the different types of users? Give an example of a hardware component that is most important to each type of user.
   b. What does the acronym SOHO stand for?
   c. Which type of user uses the most processing power?
   d. What is the difference between a SOHO user and a home user?

5. The following specifications appeared in an advertisement for a notebook computer. Study the specifications and answer the questions that follow.

Operating system – Windows 8
Processor – Intel 100 0M Celeron 1.8 GHz
Display – 15.6" (1 366 × 768), 16:9
Video graphics – Integrated Intel HD Graphics 4000
Memory – 4 Gb DDR3, 1 600 MHz memory
Hard disk – 160 Gb, 5 400 rpm
Optical drive – Integrated DVD reader
Sound – Integrated stereo speakers (2 × 1.5 W)
Integrated communications – 802.11n Wi-Fi, 10/100M LAN
Camera – 8 Mp webcam
1 × HDMI
1 × 12-in-1 card reader

a. Would this computer be suitable for a power user, such as a video-editing professional? Substantiate your answer by giving two reasons to support your answer.

b. Give two reasons as to why a notebook computer would be more suitable than a desktop computer for learners in a school.