



Province of the
EASTERN CAPE
 EDUCATION

DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)

HOME SCHOOLING ASSESSMENT 5

SUBJECT	COMPUTER APPLICATIONS TECHNOLOGY	GRADE	12	DATE	01/05/20
TOPIC	Assessment 5: Social Implications	TERM 1 REVISION		TERM 2 CONTENT	✓
TIME ALLOCATION	45 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. 				

QUESTION 1: MULTIPLE CHOICE

- 1.1 Which of the following is NOT a computer-related crime? (1)
- A. Downloading illegal software
 - B. Accessing hardware on a shared network
 - C. Stealing a network's password
 - D. Hotlinking
- 1.2 What does DoS stands for? (1)
- A. Denial-of-service
 - B. Data on server
 - C. Delivery of services
 - D. Digital office software
- 1.3 Which of the following can be used to launch DoS attacks? (1)
- A. Spyware
 - B. Zombies
 - C. Worms
 - D. Phishing
- 1.4 Which of the following is NOT a result of telecommunication technologies? (1)
- A. Meeting new people
 - b. Conducting business
 - C. Reducing pollution
 - D. Distributing computer power
- 1.5 What is the purpose of a firewall? (1)
- A. Preventing other computers on a network from accessing your computer
 - B. Removing viruses on the computer
 - C. Detecting spyware programs
 - D. Installing anti-malware

[5]

QUESTION 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.

- a. Malware is software that can be used to cause harm to the user's computer or computer network, without the user's knowledge. (1)
- b. Identity theft is when someone uses your credentials to access your personal information. (1)
- c. You can prevent adware by being careful when installing new applications. (1)
- d. All bots are malicious. (1)

[4]

QUESTION 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 Katya received an SMS claiming that she won a cash prize for a lucky draw she does not recall entering. The message asked her to provide her banking details so that they can transfer the money.	A. DoS B. Spoofing attacks C. Worm D. Phishing E. Trojan F. Sniffer attacks G. "Congratulations, you have won" H. Antivirus I. "Nigerian letter" J. Adware K. Firewall L. Zombie M. Anti-malware
3.2 Coleman is a hacker who intercepts data packets on a network and inspects these packets for useful information.	
3.3 Dillan was sent an email from someone claiming that they want him to help them wire some money to a charity organisation in India. In return for his efforts, they will give Dillan 5% of the transferred amount.	
3.4 When Rebetswe found a Trojan horse on her computer, she used software to remove it from her computer and check for any other viruses.	
3.5 Software that monitors the behaviour of a network and blocks any internet attacks.	

[5]

QUESTION 4: FILL IN THE MISSING WORDS

Fill in the missing word(s) in the following statements. Provide only ONE word for each space.

- Businesses create _____ for products in order to reach more customers. (1)
- _____ technologies saves users both _____ and money, as they do not have to invest in buying expensive processing equipment. (2)
- People can use _____ to meet new people from anywhere in the world. (1)
- Cell phones allow people to communicate over _____ distances and, therefore, save people money. (1)

[5]

QUESTION 5: SHORT QUESTIONS

State if the following are internet attacks or not. (5)

DESCRIPTION	YES/NO
5.1 Phishing	
5.2 Hotlinking	
5.3 Spoofing attacks	
5.4 DoS	
5.5 Spyware	

[5]

PART 6: SCENARIO-BASED QUESTIONS

- 6.1 Carlos recently downloaded a game online. Everything seemed fine at first, until he discovered a new hidden file on his computer. He soon started to notice that his hard-drive memory was starting to get used up, even though he was not installing any large files on his computer.
- a. To what type of threat(s) has Carlos been exposed? (2)
 - b. What can Carlos use to get rid of this threat(s)? (1)
 - c. Suggest three precautionary measures Carlos could take to safeguard himself against internet attacks. (3)
 - d. Name five things Carlos could do in the future to protect himself from this type of threat(s). (5)
- 6.2 Mary downloads a lot of programs as a programmer and animator. Since Mary creates and maintains content for professional companies, she worries that her client's private information could be at risk.
- a. What would be the best safeguard for her current situation? (1)
 - b. Mention three benefits of the safeguard that you suggested. (3)

[15]

TOTAL: [40]