



Province of the
EASTERN CAPE
EDUCATION

DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)

HOME SCHOOLING ASSESSMENT 5 ANSWER SHEET

SUBJECT	COMPUTER APPLICATIONS TECHNOLOGY	GRADE	12	DATE	01/05/20
TOPIC	Social Implications	TERM 1 REVISION		TERM 2 CONTENT	✓

Question 1: Multiple choice

- 1.1 Which of the following is NOT a computer-related crime? (1)
Answer: B ✓
- 1.2 What does DoS stands for? (1)
Answer: A ✓
- 1.3 Which of the following can be used to launch DoS attacks? (1)
Answer: B ✓
- 1.4 Which of the following is NOT a result of telecommunications technologies? (1)
Answer: C ✓
- 1.5 What is the purpose of a firewall? (1)
Answer: A ✓

Question 2: True or false

Indicate if the following statements are 'True' or 'False'. Choose the answer and write 'true' or 'false' next to the question number. Correct the statement if it is FALSE. Change the underlined word(s) to make the statement TRUE. (You may not simply use the word 'NOT' to change the statement.)

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

Question 3: Matching items

Choose a term/concept from COLUMN B that matches a description in COLUMN A.

Write only the letter next to the question number (e.g. 1-A).

(5)

Answer: 3.1 G ✓ 3.2 F ✓ 3.3 I ✓ 3.4 M ✓ 3.5 K ✓

Question 4: Fill in the missing words

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

a. Businesses create online advertisements ✓ for products in order to reach more customers. (1)

b. Distributed computing power ✓ technologies saves the user both _____ and money, as they do not have to invest in expensive processing equipment. (2)

Answer: time ✓

c. People can use _____ _____ to meet new people from anywhere in the world. (1)

Answer: social media ✓

d. Cellular phones allow people to communicate over _____ distances, and thus save people money. (1)

Answer: long ✓

Question 5: Short questions

State if the following are internet attacks or not.

(5)

Answer: 5.1 No ✓ 5.2 No ✓ 5.3 Yes ✓ 5.4 Yes ✓ 5.5 No ✓

Question 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. Carlos has not been educated about computer security, so he is not sure what to do.

a. What type of threat(s) has Carlos been exposed to? (2)

Answer: Trojan ✓ and a worm ✓.

b. What can Carlos use to get rid of this threat(s)? (1)

Answer: Antivirus or anti-malware. ✓

c. Suggest THREE precautionary measures Carlos could take to safeguard himself against internet attacks? (3)

Answer: Possible answers:

- Firewall ✓
- Antivirus ✓
- Anti-spyware ✓

d. Name FIVE things Carlos could do in the future to protect himself from this type of threat(s). (5)

Answer: He can do the following:

- Keep his software up to date, especially his antivirus software. ✓
- Not install or run any programs he does not know or trust. ✓
- Not download executable email attachments. ✓
- Run a virus scan on any flash disk that he does not know, before using it. ✓
- Ensure that his computer's firewall is turned on. ✓

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)

Answer: Any one of the following:

- Anti-spyware. ✓
- Firewall. ✓

b. Mention THREE benefits of the safeguard you suggested? (3)

Answer: Use this as an assessment guideline:

Possible answers:

Anti-spyware (some possible answers):

- It detects spyware. ✓
- It removes spyware. ✓
- It prevents spyware. ✓
- It monitors the content you browse on the internet for malicious programs. ✓

Firewall (some possible answers):

- It monitors all incoming traffic on a network. ✓
- It monitors all outgoing traffic on a network. ✓
- It blocks any traffic that is not within the defined security rules. ✓
- It prevents malware from spreading over a computer network. ✓

TOTAL: [40]