



Province of the
EASTERN CAPE
EDUCATION

DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)

HOME SCHOOLING ASSESSMENT 4 ANSWER SHEET

SUBJECT	COMPUTER APPLICATIONS TECHNOLOGY	GRADE	12	DATE	24/04/20
TOPIC	NETWORKS	TERM 1 REVISION		TERM 2 CONTENT	✓

Question 1: Multiple choice

- 1.1 What type of network is the internet? (1)
Answer: C ✓
- 1.2 Which of the following protocols send webpages? (1)
Answer: B ✓
- 1.3 Which of the following is NOT a service provided by Internet Service Providers? (1)
Answer: D ✓
- 1.4 Which of the following is an example of an FTP? (1)
Answer: A ✓
- 1.5 Which of the following is an advantage of government internet services? (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. HANs can be public and private. (1)
Answer: False. WLANs can be public and private. ✓ OR LANs can be public and private. ✓
- b. A WAP can be used to create a wireless network. (1)
Answer: True. ✓
- c. FTP is used to connect computers in a network. (1)
Answer: True. ✓
- d. Google Drive is Google's instant messaging platform. (1)
Answer: False. Google Talk is Google's instant messaging platform. ✓
- e. 4G connections are a new technology of broadband. (1)
Answer: False. 5G connections are a new technology of broadband. ✓

Question 3: Matching items

1. 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 E ✓ 3.2 C ✓ 3.3 J ✓ 3.4 D ✓ 3.5 F ✓

Question 4: Categorisation questions

- Look through the following advantages and disadvantages and indicate which internet service they belong to. (5)

Answer:

4.1 *Cloud computing ✓*

4.2 *Streaming ✓*

4.3 *VoIP ✓*

4.4 *Grid computing ✓*

4.5 *Cloud-based cloud sharing ✓*

Question 5: Scenario-based questions

- 5.1 What does the term uncapped for package 1 mean? (1)

Answer: Uncapped means that there is no limit on the amount of data that can be downloaded or uploaded.

- 5.2 Explain why you would never be throttled on package 2 or 3? (1)

Answer: Package 2 and 3 are both capped accounts.

- 5.3 What does it mean when your internet connection is shaped? (2)

Answer: On a shaped account, priority/speed is different for various services.

Note: Accept specific examples such as e-mails, web browsing, internet banking and "normal" downloads via a web browser getting full speed and data-intensive activity such as torrenting/online gaming that gets less speed.

- 5.4 Which one of these packages has the highest speed? (1)

Answer: Package 2/LTE

- 5.5 Refer to package 2: What does out-of-bundle rates refer to? (1)

Answer: Using more data than the bundle/package supplies.

Nkosi has to hold Skype conferences for his company for the next month. Recently, the company has been having serious problems with big clients; therefore, an emergency meeting can occur at any time, which means he must make sure he is readily available.

- 5.6 What should Nkosi consider when buying an internet connection for the next month? (4)

Answer: He should consider the following factors:

- *Speed of the internet. ✓*
- *Data cap of the connection. ✓*
- *Cost of the internet. ✓*
- *Equipment he will need to connect to the internet. ✓*

5.7 What internet specifications do you think would be best for him in this situation? Give a suggestion for each factor. (4)

Answer: Use the following as an assessment guideline:

Possible suggestions for each factor:

Speed of the internet (only ONE of the following):

- *Between 10 MB/s ✓ to 20 MB/s or more ✓ .*
- *Data cap of your connection (only ONE of the following):*
- *300 GB/month ✓ or Uncapped ✓ .*
- *Cost of the internet (only ONE of the following):*
- *Mobile internet like 3G ✓ and LTE ✓ or Fibre ✓ .*
- *Equipment you will need to connect to the internet (look at equipment under the Fibre and 3G, 4G and LTE options of the provided table).*

Possible example:

- *Computer: A laptop. ✓*
- *Internet connection channel: A wireless connection. ✓*
- *Internet communication device: A mobile router. ✓*
- *Internet service provider (ISP): Telkom ✓*

5.8. Compare the difference between capped data and uncapped data. (4)

Answer: Capped data is when an internet connection has a data cap, ✓ meaning a network service provider limits the size of the amount of data you use. ✓

On the other hand, uncapped data is when an internet connection does not have a data cap, ✓ meaning a network service provider does not limit the size of the amount of data you use. ✓

5.9 Explain to him what the purpose of a WAP is. (2)

Answer: A wireless access point allows wireless devices to connect to each other ✓ in a local network, ✓ but does not connect the local network to the internet. ✓

TOTAL: [40]