



Province of the  
**EASTERN CAPE**  
 EDUCATION

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

<b>SUBJECT</b>	COMPUTER APPLICATIONS TECHNOLOGY	<b>GRADE</b>	12	<b>DATE</b>	24/04/20
<b>TOPIC</b>	Assessment 4: Networks	<b>TERM 2 REVISION</b>		<b>TERM 2 CONTENT</b>	✓
<b>TIME ALLOCATION</b>	45 minutes (40 marks)	<p><b><u>TIPS TO KEEP HEALTHY</u></b></p> <ol style="list-style-type: none"> <li><b>WASH YOUR HANDS</b> thoroughly with soap and water for at least 20 seconds. Alternatively, use hand sanitizer with an alcohol content of at least 60%.</li> <li><b>PRACTICE SOCIAL DISTANCING</b> – keep a distance of 1m away from other people.</li> <li><b>PRACTISE GOOD RESPIRATORY HYGIENE:</b> cough or sneeze into your elbow or tissue and dispose of the tissue immediately after use.</li> <li><b>TRY NOT TO TOUCH YOUR FACE.</b> The virus can be transferred from your hands to your nose, mouth and eyes. It can then enter your body and make you sick.</li> <li><b>STAY AT HOME.</b></li> </ol>			
<b>INSTRUCTIONS</b>	<ol style="list-style-type: none"> <li>This is an Assessment on the work done during the week.</li> <li>You will need a book to write your answers in and something to write with.</li> <li>Answer the following questions in your workbook in full sentences where applicable.</li> <li>Do not refer back to your textbook while answering these questions.</li> <li>For the short questions all you need to do is write down the number and the corresponding letter (Part 1,2 and 3)</li> <li>In the True and False questions, you have to give the correct word if the answer is False to get the mark.</li> <li>In Part 4 you have to answer in detail to get the marks. One word answers will not be acceptable here.</li> </ol>				

### QUESTION 1: MULTIPLE CHOICE

- 1.1 What type of network is the internet? (1)  
A. LAN  
B. PAN  
C. WAN  
D. WHAN
- 1.2 Which of the following protocols sends web pages? (1)  
A. IMAP  
B. HTTP  
C. VoIP  
D. IMAP
- 1.3 Which of the following is NOT a service provided by ISPs? (1)  
A. Instant messaging  
B. World-wide web  
C. Skype  
D. Broadband
- 1.4 Which of the following is an example of an FTP? (1)  
A. FileZilla Server  
B. Amazon Web Services  
C. MediaFire  
D. Twitch
- 1.5 Which of the following is an advantage of government internet services? (1)  
A. You can pay your water bills online  
B. You can communicate through video conferencing  
C. You can stand in shorter queues at SARS  
D. You can find out where to pay your TV licence

[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.

- 2.1 HANs can can be public and private. (1)
- 2.2 A WAP can be used to create a wireless network. (1)
- 2.3 FTP is used to connect computers in a network. (1)
- 2.4 Google Drive is Google's instant-messaging platform. (1)
- 2.5 4G connections are a new technology of broadband. (1)

[5]

### 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 Maven can use SARS e-filing to submit his tax returns	A. Uncapped data
3.2 Carleen uses Skype to talk to her family while she is teaching English in Madagascar	B. FTP
3.3 A method of sending documents and videos between computers over a network server	C. VoIP
3.4 Telkom provides Zoey with the tools she needs to send WhatsApp messages to her friends with her smartphone	D. ISP
3.5 To save money, Darrel limits the amount of data his family can use each month	E. Government internet service
	F. Capped data
	G. Cloud computing

[5]

### QUESTION 4: CATEGORISATION QUESTIONS

Look through the following advantages and disadvantages, and indicate to which internet service each belongs.

(5)

ADVANTAGE OR DISADVANTAGE	INTERNET SERVICE
4.1 Since the cloud platform is managed and updated, it is much more reliable	
4.2 You are in control of what you watch and when you want to watch it	
4.3 Audio quality depends on the quality of your internet connection	
4.4 Maintaining multiple computers may become expensive	
4.5 The files might not be very secure as multiple people will have access to them	

[5]

### QUESTION 5: SCENARIO-BASED QUESTIONS

Your cousin is moving out of the house soon and has started investigating connectivity options. She is considering the following packages:

PACKAGE 1	PACKAGE 2	PACKAGE 3
Uncapped ADSL Free Data after hours (24:00 – 08:00) Up to 2Mbps Semi-shaped	15GB 3G / LTE on Cell C Data only SIM No out-of-bundle rates 3 month Data Rollover	200GB Cap Fibre Up to 4Mbps Unshaped data No contracts

- 5.1 What does the term *uncapped* for package 1 mean? (1)
- 5.2 Explain why you would never be throttled on package 2 or 3? (1)
- 5.3 What does it mean when your internet connection is shaped? (2)
- 5.4 Which one of these packages has the highest speed? (1)
- 5.5 Refer to package 2: What does out-of-bundle rates refer to? (1)

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)
- 5.7 What internet specifications do you think would be best for him in this situation? Give a suggestion for each factor. (4)
- 5.8 Compare the difference between capped data and uncapped data. (4)
- 5.9 Explain to him what the purpose of a WAP is. (2)

[14]

**TOTAL: [40]**