



Province of the  
**EASTERN CAPE**  
 EDUCATION

**DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)**

**HOME SCHOOLING SELF-STUDY WORKSHEET 54**

<b>SUBJECT</b>	COMPUTER APPLICATIONS TECHNOLOGY	<b>GRADE</b>	12	<b>DATE</b>	23/6/20
<b>TOPIC</b>	INTERNET AND NETWORK TECHNOLOGIES: Revision	<b>TERM 1 REVISION</b>		<b>TERM 4 CONTENT</b>	✓
<b>TIME ALLOCATION</b>	30 Minutes	<b><u>TIPS TO KEEP HEALTHY</u></b>			
<b>INSTRUCTIONS</b>	<ol style="list-style-type: none"> <li>This is a Theory Worksheet:</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.</li> <li><b>WHERE TO FIND THE ANSWERS:</b> <ul style="list-style-type: none"> <li>You may use your CAT textbook to find the answers or alternatively,</li> <li>you can use the free downloadable CAT textbook provided by the Department of Basic Education.</li> <li>See the link below to download this book.  <b>THEORY COMPUTER APPLICATIONS TECHNOLOGY:</b>  <a href="https://drive.google.com/drive/folders/17mOqPgJ1vHiwcErERV10jnEQgd6xpyj-?usp=sharing">https://drive.google.com/drive/folders/17mOqPgJ1vHiwcErERV10jnEQgd6xpyj-?usp=sharing</a>            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</li> </ul> </li> </ol>	<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>			

- 1 Why would the Internet be classified as a WAN? (1)
- 2 State TWO advantages of using a network. (2)
- 3 Compare the functionality of a switch and a router in a network. (2)
- 4 State an advantage of using fibre-optic cables instead of copper wires as a communication medium. (1)
- 5 A number of hardware issues, such as the type of equipment, affect the performance and stability of a Wi-Fi signal.  
State THREE factors, besides hardware issues, that can have an influence on a Wi-Fi signal. (3)
- 6 Give an example of what NFC (near field communication) can be used for. (1)
- 7 Explain the function of a hyperlink. (1)
- 8 Name ONE type of connection to the Internet, besides a landline. (1)
- 9 More and more people choose to use online, web-based e-mail systems.
  - 9.1 Give ONE example of a popular web-based e-mail service. (1)
  - 9.2 State ONE possible advantage of using a web-based e-mail system compared to using a local e-mail system such as Microsoft Outlook. (1)
  - 9.3 Which e-mail field will be used to hide the address of a recipient who gets a copy of the same e-mail? (1)

**[15]**