



Province of the  
**EASTERN CAPE**  
 EDUCATION

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

**HOME SCHOOLING SELF-STUDY WORKSHEET 50**

<b>SUBJECT</b>	COMPUTER APPLICATIONS TECHNOLOGY	<b>GRADE</b>	12	<b>DATE</b>	16/6/20
<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 State TWO benefits of using VoIP. (2)
- 2 What is the main difference between a *server* and a *client* on a network in terms of their role or function? (1)
- 3 What is the general name for the type of network that extends over a large area such as a province? (1)
- 4 What is *grid computing*? (2)
- 5 Name ONE thing that you will see in your web browser to show that you are connected to a secure site when using online banking. (1)
- 6 A video on a web page won't play in your browser, even after you have refreshed the page.  
Suggest ONE way to solve this problem other than using another browser or trying to view the video on another computer or website. (1)
- 7 Users commonly upload and download data using the Internet.
  - 7.1 Explain the difference between the terms *uploading* and *downloading*. (2)
  - 7.2 How does the speed of data transmission of an ADSL line differ in terms of downloading and uploading? (1)
- 8 State TWO alternative ways of sending large files via the Internet, other than sending it as an e-mail attachment. (2)
- 9 Briefly explain what *web caching* is AND also the main advantage it provides. (2)

**[15]**