



Province of the
EASTERN CAPE
 EDUCATION

DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)

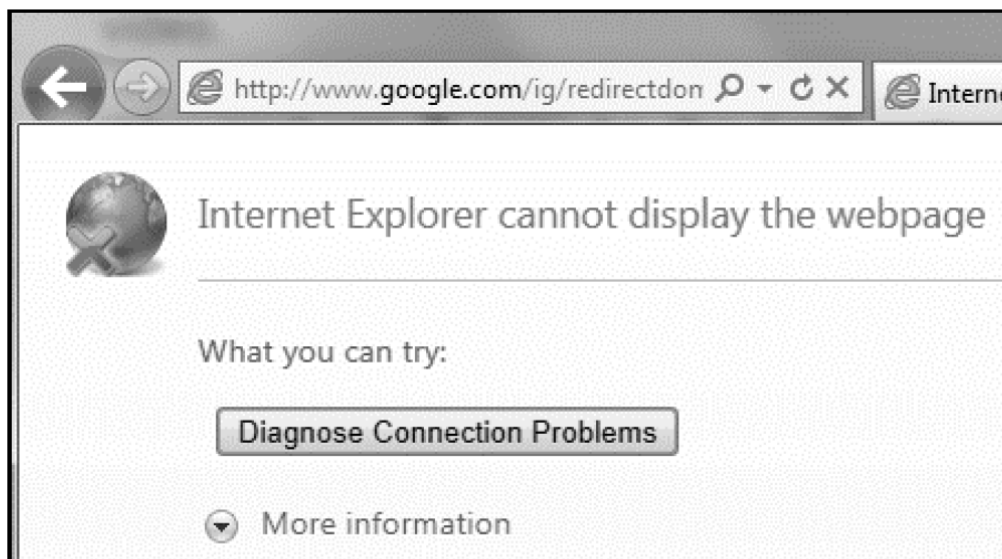
HOME SCHOOLING SELF-STUDY WORKSHEET 46

SUBJECT	COMPUTER APPLICATIONS TECHNOLOGY	GRADE	12	DATE	9/6/20
TOPIC	INTERNET AND NETWORK TECHNOLOGIES: Revision	TERM 1 REVISION		TERM 4 CONTENT	✓
TIME ALLOCATION	30 Minutes	<p><u>TIPS TO KEEP HEALTHY</u></p> <ol style="list-style-type: none"> WASH YOUR HANDS thoroughly with soap and water for at least 20 seconds. Alternatively, use hand sanitizer with an alcohol content of at least 60%. PRACTICE SOCIAL DISTANCING – keep a distance of 1m away from other people. PRACTISE GOOD RESPIRATORY HYGIENE: cough or sneeze into your elbow or tissue and dispose of the tissue immediately after use. TRY NOT TO TOUCH YOUR FACE. The virus can be transferred from your hands to your nose, mouth and eyes. It can then enter your body and make you sick. STAY AT HOME. 			
INSTRUCTIONS	<ol style="list-style-type: none"> This is a Theory Worksheet: You will need a book to write your answers in and something to write with. Answer the following questions in your workbook. WHERE TO FIND THE ANSWERS: <ul style="list-style-type: none"> You may use your CAT textbook to find the answers or alternatively, you can use the free downloadable CAT textbook provided by the Department of Basic Education. See the link below to download this book. THEORY COMPUTER APPLICATIONS TECHNOLOGY: https://drive.google.com/drive/folders/17mOqPgJ1vHiwcErERV10jnEQgd6xpyj-?usp=sharing 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 				

- 1 Consider the packages below that advertise Internet access for video streaming at home.

PACKAGE A	PACKAGE B	PACKAGE C
5 GB data Fibre 100 Mbps Free installation + Router R399 p.m.	5 GB data ADSL 2 Mbps Free installation + Router R99 p.m.	Uncapped data Fibre 40 Mbps Free installation + Router R399 p.m.

- 1.1 Which package would one use to daily stream HD videos at home? Give TWO reasons for your answer. (3)
- 1.2 Which package would be sufficient for general home use, such as sending e-mails and browsing the web, for which no video streaming is required? Motivate your answer. (2)
- 2 The web browser message below is displayed even when an ADSL connection is working.



- 2.1 Give TWO possible reasons for receiving this message. (2)
- 2.2 What is the function of the circular arrow to the right of the address bar? (1)
- 2.3 Comment on the security of the intended connection, based on the information in the URL. (2)

- 3 Criminals often use hotspots to target unsuspecting users.
- 3.1 How would one use a mobile device to check if a hotspot is available? (1)
- 3.2 How can one prevent a keylogger from sending information back to the hacker? (2)
- 4 Give ONE reason why one would install a browser plug-in. (1)
- 5 How would an RSS feed on a blog benefit its users? (1)
- [15]**