 Province of the

EASTERN CAPE

EDUCATION

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

**HOME SCHOOLING SELF-STUDY WORKSHEET**

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| **SUBJECT** | INFORMATION TECHNOLOGY THEORY | **GRADE** | 12 | **DATE** | 17 August to 21 August 2020 |
| **TOPIC** | Social Implications  Cybercrime targets? | **TERM 3**  **REVISION** | (Please tick) | **TERM 3 CONTENT** | ✓ |
| **TIME ALLOCATION** | 1hr | **TIPS TO KEEP HEALTHY**  1. **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%.  2. **PRACTISE SOCIAL DISTANCING** – keep a distance of 1m away from other people.  3. **PRACTISE GOOD RESPIRATORY HYGIENE**: cough or sneeze into your elbow or tissue and dispose of the tissue immediately after use.  4. **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.  5. **STAY AT HOME.** | | | |
| **INSTRUCTIONS** | Resources used   * Its gr8! @ grade12 theory, Study Opportunities * Information Technology Theory Book Grade 12 , DBE * Past Exam Papers   Answer all questions |
|  | 1 Choose the correct answer.  a. Any person who writes a computer virus is called a \_\_\_\_\_  A. Hacker B. Cracker  C. Virus author D. Cyber gang or hacker group  b. Anyone who uses their computer skills to gain unauthorised access to computer systems or data.  A. Hacker B. Cracker  C. Virus author D. Cyber gang or hacker group  c. They may break into computer systems for a variety of reasons, from stealing data to testing their skills to  making political statements.  A. Hacker B. Cracker  C. Virus author D. Cyber gang or hacker group  d. A group of people who work together to commit crimes  A. Hacker B. Cracker  C. Virus author D. Cyber gang or hacker group  e. This virus allows the virus author to control the computer it has infected from anywhere in the world.  A. Backdoors B. Remote control  C. Botnets D. Internet fraud  f. It refers to a wide variety of scams used to steal money from people on the Internet.  A. Backdoors B. Remote control  C. Botnets D. Internet fraud  g. It refers to several computers infected by the same virus who can work together to perform attacks.  A. Backdoors B. Remote control  C. Botnets D. Internet fraud  h. A secret entrance that computer programmers build into their programs  A. Backdoors B. Remote control  C. Botnets D. Internet fraud  i. This type of hacking is used to steal users’ personal information for identity fraud.  A. Hardware hacking B. Software hacking  C. Information and website hacking D. Bandwidth theft  E. Service theft  j. When one website uses the images stored on and hosted by another website.  A. Hardware hacking B. Software hacking  C. Information and website hacking D. Bandwidth theft  E. Service theft  k. This occurs when employees spend their time not doing work but instead browse Facebook or watch videos  on YouTube.  A. Hardware hacking B. Software hacking  C. Information and website hacking D. Bandwidth theft  E. Service theft  l. When someone illegally uses a username and password to access an online service.  A. Hardware hacking B. Software hacking  C. Information and website hacking D. Bandwidth theft  E. Service theft  m. When finding software exploits, hackers look for weaknesses in an application’s security.  A. Hardware hacking B. Software hacking  C. Information and website hacking D. Bandwidth theft  E. Service theft  2 One of the most famous hacking groups in the world is Anonymous. According to Anonymous, they are a hacktivist group which means that they hack websites and organisations for political reasons. Since the start of 2010, their attacks have included:  ●● Organisations responsible for stopping online piracy like the RIAA, the MPAA and the Copyright Alliance.  ●● Government websites in countries where they disagree with the government (such as Tunisia and Thailand).  ●● Organisations and churches accused of homophobia.  ●● The website and Twitter account of the racist organisation the Ku Klux Klan.  ●● South African websites owned by the Gupta family (including the websites of ANN7, The New Age and Sahara).  With this information in mind, answer the following questions.  a. List and describe four different types of computer criminals.  b. Which type of criminal is anonymous?  c. Anonymous often uses botnets and remote control in their attacks. Describe what these terms mean.  d. According to the scenario, what is the target of Anonymous’ attacks. Give examples to support your answer.  e. While Anonymous usually targets large organisations that they disagree with, it is most often individuals who  are hurt by cybercrime. What are the most immediate effects of cybercrime?  3 Has your online security improved since the start of Grade 10? Are you using a secure password?  4 How many people, on average, do you think use a secure password?  5 Do you think the average Internet user should worry about online security?  6 Do you think South Africans are likely to be the victims of online scams? | | | | |
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