 Province of the

EASTERN CAPE

EDUCATION

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

**HOME SCHOOLING ANSWER SHEET**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SUBJECT** | INFORMATION TECHNOLOGY THEORY | **GRADE** | 12 | **DATE** | 17 August to 21 August 2020 |
| **TOPIC** | Social Implications  Consolidation Exercise | **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 |
|  | Solutions  1.Complete the sentences on the different type of computer criminals.   |  |  | | --- | --- | | TYPE | DESCRIPTION | | Hacker | A hacker is anyone who uses their computer skills to gain unauthorised access to  computer systems or data. They can do this through a combination of exploits,  scripts and social engineering. White hat hackers help companies improve their  security by trying to hack into their computers, while black hat hackers (or cracker)  illegally break into computer systems. | | Cracker | This refers to hackers who e their skills illegally. They may break into computer  systems for a variety of reasons, from stealing data to testing their skills to making  political statements.  The word cracker can also be used to refer to people who write software cracks  (tools that allow software to be pirated and used illegally). | | Virus author | A virus author is any person who writes a computer virus. Virus authors create  viruses for several reasons, including causing damage, showing off their skills,  gaining information or money or taking over computers and using them to send  spam emails. | | Cyber gang or  hacker group | This is a group of people who work together to commit crimes. They can be made up  of many loosely organised members (like the group Anonymous) or they can be a  small team of specialists. | |  |  |   2. Complete the table on the types of cybercrimes.   |  |  |  | | --- | --- | --- | | TYPE OF CRIME | DEFINITION | EFFECT ON SOCIETY | | Hardware hacking | Hardware hacking refers to  attacks aimed at specific pieces  of hardware. The goal of these  attacks is generally to unlock the  hardware or remove artificial  limitations placed on the  hardware. | For example, hacking game  consoles, hackers can remove  the software that stops them  from playing pirated games.  Many smartphones can also be  hacked, to give the owner access  to features that are normally  locked | | Software hacking | Software hacking can refer to  three different types of hacking:  ● Finding software exploits  ● Breaking software protection  ● Hacking games | This allows people to play pirated  games or use pirated software.  Software hacking can also refer  to game hacking, in which  hackers create software that  allows gamers to break the rules  of the game. | | Information and website hacking | Website and information hacking  are used for several different  reasons:  ● Steal users’ personal  information for identity fraud  ● Steal users’ email addresses  ● Steal users’ passwords  ● Steal users’ credit card  information  ● Build a database of common  usernames and passwords  ● Deface the website or place  political messages on the  website  ● Reroute traffic from the  website to a phishing website | Loss of money trying to rectify  the hack | | Bandwidth theft | Bandwidth theft occurs when  other one website uses the  images stored on and hosted by  another website | There are many companies that  allow images to be hosted on  their website for free. This  decreases the need for hotlinking | | Service theft | Service theft occurs on the  Internet whenever someone  illegally uses a username and  password to access an online  service | Rather than paying for their own  Netflix account, the service thief  might steal your username and  password and use it to watch  Netflix for free |   3. • passwords  • firewalls  • encryption  answer is subjective | | | | |
|  |  | | | | |