 Province of the

EASTERN CAPE

EDUCATION

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

**HOME SCHOOLING SELF-STUDY WORKSHEET ANSWER SHEET**

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| **SUBJECT** | INFORMATION TECHNOLOGY THEORY | **GRADE** | 11 | **DATE** | 14 April to 17 April 2020 |
| **TOPIC** | Database Management Database software, Database types and Database related careers | **TERM 1**  **REVISION** | (Please tick) | **TERM 2 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 // Most of this week’s work is taken from the New DBE book   * Its gr8! @ grade12 theory, Study Opportunities * Information Technology Theory Book Grade 12 , DBE * Past Exam Papers   Answer all questions |
|  | 1.1 A database is a collection of interrelated data, these applications do the same basic tasks, but they may do them in different ways with different levels of complexity.  1.2 The purpose of a database is t store a collection of interrelated data.  1.3 – create databases.  – create database tables.  – add new data to the databases.  1.4 a. Microsoft SQL Server – A relational database management system developed by Microsoft.  b. MySQL – An open source relational database management system  c. BlackFish SQL – A high performance, small-footprint, SQL-92 compliant transactional database, which runs on both the .NET framework and on the Java platform.  2   |  |  |  |  | | --- | --- | --- | --- | |  | Definition | Size | Users | | Desktop/personal database | A very small database that is only being  accessed by a single user on a single  computer. | Small | Single use for one user  on a single computer | | Server/centralised  database | A dedicated server that is connected to the  internet so that multiple users from  multiple locations can use it. | Large | Multiple | | Distributed database | A database that runs on a server first so all  multiple users can connect to it. | Unlimited | Multiple |   3.1 a. A database administrator is the primary person involved in managing the data of a company or program.  b. A database programmer is any employee whose primary job is to create database and database queries.  c. A database analyst is responsible for working with companies to identify opportunities to set up and improve their data systems.  ……..d. A database project manager is the person who must make sure that any database projects are completed on time, at the right cost and at the right quality level.  3.2 Learner dependent answer | | | | |