

# Ministry of Education, Heritage & Arts

## COMPUTER STUDIES YEAR 13 - WORKSHEET 7 - 2021

**Instruction:** Use your activity book to write the answers only.

**Multiple Choice – Select the most appropriate answer for question 1 - 3. (3 marks)**

### STRAND 1 - DATABASE MANAGEMENT SYSTEM

#### MULTIPLE CHOICES

1. Which of the following database would be most appropriate for data stored at several locations?  
A. shared                                      B. individual  
C. proprietary                                D. distributed
2. Which of the following terms **best** describe duplication of data in a database?  
A. sharing                      B. security                      C. integrity                      D. redundancy
3. A complete file containing all records, current up to the last update is known as  
A. batch file                      B. master file                      C. sequential file                      D. transaction file

#### Short Answer Questions

- (a) What is the **function** of hashing programs in file organization? (1 mark)
- (b) Explain why Microsoft access is considered a relational database system? (2 marks)
- (c) Name the database model that allows many to many relationships? (1 mark)
- (d) Differentiate between batch processing and real time processing. (2 marks)
- (e) What is a database management system (DBMS)? (1 mark)
- (f) Gives three advantages and three disadvantages of database system? (6 marks)
- (g) Describe the following database using example:
  - I. Hierarchical (2 marks)
  - II. Network (2 marks)
  - III. Relational (2 marks)