

# Ministry of Education, Heritage & Arts

## COMPUTER STUDIES YEAR 13 - WORKSHEET 8 - 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. One of the following file organization methods is not involved in the database management. Which one is it?  
A. direct                      B. indirect                      C. sequential                      D. index sequential
2. Which of the following is not a measure to ensure the integrity and security of computer system?  
A. shareware                      C. cryptography  
B. controlling personnel                      D. password and access logs
3. When creating a database, which of the following steps is not required?  
A. determining the results you  
B. determining the purpose of the database  
C. determining the special programs you will need  
D. determining what information you need to collect

#### Short Answer Questions

- (a) Define data dictionary? (1 mark)
- (b) What is object-oriented programming? (1 mark)
- (c) Mr. Singh wants to store his organization's records using a database. State four advantages of the use of a database that would help him convince his board members of the need for a database. (4 marks)
- (d) Which type of file organization would be used by a database administrator in a university to store students' records? Explain why? (2 marks)
- (e) Data is processed in two ways; Batch processing and Real-time processing. Briefly describe the two processes with appropriate examples. (2 marks)