UGANDA MARTYRS UNIVERSITY

FACULTY OF BUSINESS ADMINISTRATION AND MANAGEMENT

END OF SEMESTER FINAL ASESSMENT

SEMESTER II, 2021/2023

FIRST YEAR EXAMINATION FOR BACHELOR OF BUSINESS ADMINISTRATION AND MANAGEMENT

Information Systems and Databases.

DATE: 28th January 2022

DURATION: 3HRS

Instructions:

1. *Carefully read through ALL the questions before attempting*

2. **Attempt Four questions**
3. *All Questions carry equal marks*
4. *No **names** should be written anywhere on the examination book.*

5. *Ensure that your **Reg number** is indicated on all pages of the examination answer booklet.*

6. *Ensure your work is **clear** and **readable**. Untidy work shall be penalized*

7. *Any type of examination Malpractice will lead to automatic disqualification*

8. *Do not write anything on the questions paper.*

Question One

a) Explain with examples why you would recommend information system in a given organization especially during lockdown times. (10 marks)

b) As a student you are invited by an organization that is struggling with evaluation of the new database. Explain some of the features that would be considered to be a good database. (15 marks)

Question Two

a) Differentiate between Access rights and authorisation. (4 marks)

b) Explain why companies are failing to use database management systems in Uganda today. (12 marks)

c) What are some of the measures that organisations have put in place to safe guard their databases.(9 marks)

Question Three

a) Explain the following terms in line with database security with examples.

    i) Authorization

    ii) Authentication

    iii) Data Encryption

    iv) Access level

    v) Data backup and recovery   (@ 2 marks)

b) Explain the different steps you would follow to come up with a good database that meets the organization system requirements.   (10 marks)

c) Explain the term back up and the different types of back up.(5 marks)

Question Four

a) Define the following terms as used in databases giving relevant examples.

    i) Alternate key

    ii) Primary key

Question Six

a) Differentiate between the following

    i)   Data Definition Language and Data Manipulation Language

    ii) Database and Database Management system @ 2 marks

b) Explain the following statements as applied to DML with examples.

    i)   Insert

    ii)   Update

    iii) Delete

    iv) Select   @ 3 marks

c)Explain the following statements as applied to DDL with examples.

    i)   Create

    ii) Alter

    iii) Drop   @ 3marks.