THE STATE UNIVERSITY OF ZANZIBAR

Department of Computer Science and IT

INF 2112: Database Application I

TIME 70 minutes

Answer all Questions

Date: 22nd December, 2023

Question 1: Select the best answer and write only a letter of your selection from each of the

following multiple choice question [1 mark each]

- i. How many data types and categories are available in T-SQL?
 - A. 8
 - B. 9
 - C. 4
 - D. 7
- ii. What will be the output of the below LIKE query?

WHERE SALARY LIKE '9000%'

- A. It will find any value that starts with 9000 >
- B. It will find any value that ends with 9000
- C. It will find any value whose range is between 9000
- D. It will find the value where sale y is less than 9000
- iii. Which of the following Statements are Γrue with regards to Categories of T-SQL?
 - A. DML statements are focused only on Managing security and Permissions such as GRANT, REVOKE and DENY.
 - B. DCL statements handles lifecycle of database objects such as tables, views and procedures.
 - C. DDL statements include CREATE, ALTER, AND DROP
 - D. None of the Above
- iv. SQL Server includes 5 System Databases. Which one of the following is used only for Reporting Services?
 - A. Master
 - B. Model
 - C. Msdb
 - D. None of the above

Question 2:	CAT.
a) What do you understand by the following	ng terms? [3 marks]
i. CMD Parser	o linear participation of the control of the contro
ii. SQL Server Agent	
iii. SQL Server Browser	
b) Mention any four advantages of instance	ces [2 marks]
c) Explain the three components that are	available on the protocol layer in SQL server
architecture. [3 marks]	available on the protocol layer in SQL server
	available on the protocol layer in SOL server
Question 3:	through b.
a) Briefly explain how T-SQL statements ca	in be written and submitted to the Database engine
marksì	lowing tasks arm as primary key and I fields BookID(varchar(10)) as a primary key, and I
ii. Verify that the table above has bee	Author varchar (20)) and price (decimal (5,2)). [1 min created [1 mark] m Books into another table called NewBooks, ass k] Beta Rokmane Author Price Souther, price from Book;
Quantity (integer) Price (decimal)	
The Price column contains decimal numeric	and a column named Subtotal, in which the values
- The political Character The	

Choose the best answer that describes the correct Logical Query Processing Order.

v.