Damietta University Faculty of Computers and Artificial Intelligence No. of pages: 2 pages	Mid-term Exam	Academic Year: 2021/2022 Course Name: Database Systems (IS 221) Level 02 Time Allowed: 60 min April 12, 2022

Student name………

ID ……

Answer the following questions:

1. **Define the following terms:**

   A. Referential integrity constraint

   B. SQL

2. **Complete the following sentences:**

A. …… key is the candidate key that is selected to identify tuples uniquely within the relation.

B. …….. is the software that manages and controls access to the database.

Question 1: Choose the correct answers:

A. If you were collecting and storing information about your online ordering company, customers would be considered a(n) ……

a) Relation b) Entity

c) Instance d) Attribute

B. …….. is the process of maximizing the differences between members of an entity by identifying their distinguishing characteristics.

a) Generalization b) Union

c) Inheritance d) Specialization

C. One of the following is not an advantages of the database approach:

A. Increased sharing of data
B. Increased productivity
C. Increased redundancy
D. Increased concurrency

D. …….is an entity type that includes one or more distinct subgroupings of its occurrences, which require to be represented in a data model.

A. Subclass
B. Member
C. Superclass
D. Regular

E. Which one of the following SQL statements is correct?

A. UPDATE table_name SET attribute1 = ‘new_value1’, attribute2= ‘new_value2’ WHERE attribute1 = ‘old_value1’;
B. UPDATE table_name SET attribute1= ‘new_value1’ AND attribute2= ‘new_value2’ WHERE attribute1 = ‘old_value1’;
C. UPDATE attribute1, attribute2 SET ‘new_value1’, ‘new_value2’ WHERE attribute 1 = ‘old_value1’;
D. UPDATE attribute1, attribute2 SET ‘new_value1’ AND ‘new_value2’ WHERE attribute 1 = ‘old_value1’;