

Damietta University
Faculty of Computers and Artificial
Intelligence
Medical Informatics Program



Mid-term Exam

Academic Year: 2022/2023
Course Name: Database Systems in
Health care (IS 201)
Level 02
Time Allowed: 30 Min
April. 4, 2023

Student name.....

ID

A. Complete the following statement

1. A row in a database relation can also be called a tuple
2. Aggregate functions can be used only in the SELECT list and in the having clause.
3. In the relational model; degree refers to no. of attributes
4. In the ER Diagram; the attributes are represented by the oval shape
5. A subclass with more than one superclass is called a category

B. Answer the following questions:

A. Discuss the different functions of the DBMS.

the security system prevents unauthorized access to the database

the integrity system ensures the integrity and consistency of the data in the database

the concurrency control system allows shared access of the database

the recovery system restores the database to a previous working state

B. What is meant by primary key and foreign key

the primary key is the candidate key that uniquely identifies tuples with a relation

the foreign key is an attribute or a set of attributes that refers to the candidate key of some other relation