# Question Paper - 75 Marks

Time: \_\_\_\_ Max Marks: 75

Name: \_\_\_\_\_\_\_\_\_\_ Reg No: \_\_\_\_

## Section A: One mark questions

A1. Choose the correct option: (1 × 5)

1. Which of the following is correct about "Data mining is also used in the fields of credit card services and telecommunication to"?

A. Data mining is also used in the fields of credit card services and telecommunication to

B. Not related to Data mining is also used in the fields of credit card services and telecommunication to

C. Partially related to Data mining is also used in the fields of credit card services and telecommunication to

D. None of the above

2. Which of the following is correct about "Data Quality Improvement: Functional dependencies ensure that the data in the database to be"?

A. Data Quality Improvement: Functional dependencies ensure that the data in the database to be

B. Not related to Data Quality Improvement: Functional dependencies ensure that the data in the database to be

C. Partially related to Data Quality Improvement: Functional dependencies ensure that the data in the database to be

D. None of the above

3. Which of the following is correct about " Commit: It is used to save the transaction on the database."?

A.  Commit: It is used to save the transaction on the database.

B. Not related to  Commit: It is used to save the transaction on the database.

C. Partially related to  Commit: It is used to save the transaction on the database.

D. None of the above

4. Which of the following is correct about "(2, 'Bob', 'bob@example.com'),"?

A. (2, 'Bob', 'bob@example.com'),

B. Not related to (2, 'Bob', 'bob@example.com'),

C. Partially related to (2, 'Bob', 'bob@example.com'),

D. None of the above

5. Which of the following is correct about "ii) One-to-Many: In one-to-many mapping as well where each entity can be related to more than"?

A. ii) One-to-Many: In one-to-many mapping as well where each entity can be related to more than

B. Not related to ii) One-to-Many: In one-to-many mapping as well where each entity can be related to more than

C. Partially related to ii) One-to-Many: In one-to-many mapping as well where each entity can be related to more than

D. None of the above

A2. Fill in the blanks: (1 × 5)

1. \_\_\_ 7272826385 UP

2. \_\_\_ instance of a relation is a set of ‘tuples’, also called ‘records’, in which each

3. \_\_\_) SOPHISTICATED USERS

4. \_\_\_ of Database Systems:

5. \_\_\_ RELATIONAL ALGEBRA OPERATIONS

## Section B: Two mark questions

1. Define / Explain briefly: single-valued attribute. (2)

2. Define / Explain briefly: table. It is also known as a cross product. It is denoted by X. (2)

3. Define / Explain briefly: DELETE FROM person\_details; (2)

4. Define / Explain briefly: VIEW OF DATA (2)

5. Define / Explain briefly: TRUNCATE TRUNCATE TABLE table\_name; (2)

## Section C: Five mark questions (Answer either-or)

1. a) Explain in detail (5m): Transitive functional dependency (5)  
 OR  
 b) Explain in detail (5m): database and avoid any kind of ambiguity or inconsistency. (5)

2. a) Explain in detail (5m): database connectors, such as Front Page, Active Server Pages, Java Servelets, Dream (5)  
 OR  
 b) Explain in detail (5m): dependencies). (5)

3. a) Explain in detail (5m): Relational query languages use relational algebra to break the user requests and (5)  
 OR  
 b) Explain in detail (5m): NAME COURSE\_ID (5)

4. a) Explain in detail (5m): Scientist Entity set Strong entity set (5)  
 OR  
 b) Explain in detail (5m): o JSON web token (5)

5. a) Explain in detail (5m): retrieval, which is essential for generating meaningful observations and solving complex business (5)  
 OR  
 b) Explain in detail (5m): To ensure the decomposition is lossless, you need to check that no information is lost during the (5)

## Section D: Ten mark questions

1. Discuss in detail (10m):  The 1-Tier architecture is used for development of the local application, where (10)

2. Discuss in detail (10m): and 5 fields. No two rows are identical. (10)

3. Discuss in detail (10m): COMMENT Example (10)

4. Discuss in detail (10m): commands, or transactions, collectively. A popular example that is used to illustrate this is a (10)

5. Discuss in detail (10m):  After decomposition, it is important to check if the decomposition is lossless. That means (10)