

Dr. Babasaheb Ambedkar Open University

Term End Examination July-2016

Course	: BCA	Numerical Code: (Not Require)
Subject Code	: BCA –202	Numerical Code: (Not Require)
Subject	: Database Management System	Total Marks : 70
Date	: (Not Require)	Time : (Not Require)

Section A

(30)

Attempt any Three of the following:

1. What is DBMS? Explain merit and de-merit of DBMS.
2. What are Entity Relationship Diagram? Explain with example.
3. Explain Codd's 12 rules.
4. Explain types of transaction.
5. Explain 3-tier architecture of data warehouse in details.

Section B

(20)

Write short notes on any four.

1. Explain terms ODBC, MDBS, DCOM, CPRBA
2. Short note on Data abstraction.
3. Define primary key, super key and foreign key with example.
4. Explain SQL statements involving set membership, set comparisons and set cardinality operations.
5. What are the general standards for giving passwords?
6. Explain object security model.

Section C

(A) Multiple Choice Questions.

(10)

- 1 In the relational modes, cardinality is termed as:
 - a. Number of Tuples
 - b. Number of attributes.
 - c. Number of tables.
 - d. Number of constraints.
- 2 Architecture of the database can be viewed as
 - a. Two levels.
 - b. Four levels.
 - c. three levels
 - d. one levels
- 3 In tuple relational calculus $P1 \text{ @ } P2$ is equivalent to
 - a. $\neg P1 \cup P2$
 - b. $P1 \cup P2$
 - c. $P1 \cap P2$
 - d. $P1 \cap \neg P2$
- 4 Key to represent relationship between tables is called
 - a. Secondary Key
 - b. Primary key
 - c. Foreign Key
 - d. None of the above
- 5 The database schema is written in

SAMPLE QUESTION PAPER