

PARUL UNIVERSITY
FACULTY OF IT & COMPUTER SCIENCE
BCA / IMCA Summer 2017-18 Examination

Semester: 2

Subject Code: 05101153 / 05301153

Subject Name: Database Management System

Date: 22-05-2018

Time: 10:30AM to 01:00 PM

Total Marks: 60

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1 Answer the followings.**A. Write short notes.****(05)**

1. What is Commit?
2. Give Example of Sequence.
3. What is Field?
4. List out DML Commands.
5. Full form of DQL.

B. Multiple choice type questions/ Give the sentence true or false. (Each of 01 marks)**(10)**

1. _____ is select by the database designers for unique identification.

A) Primary Key	B) Unique Key
C) Both of these	D) None of These
2. _____ is the process of organizing data into related tables.

A) Normalization	B) Generalization
C) Specialization	D) None of the above
3. DCL stands for

A) Data Control Language	B) Data Console Language
C) Data Console Level	D) Data Control Level
4. _____ Operator is basically a join followed by a project on the attributes of first relation.

A) Join	B) Semi-Join
C) Full Join	D) Inner Join
5. You can have more than one primary key in a column on the table?

A) True	B) False
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6. Reference key can be a composite key (combination of two or more column). ?

A) True	B) False
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7. _____ is a full form of SQL.

A) Standard query language	B) Sequential query language
C) Structured query language	D) Server side query language
8. _____ is a combination of two of more attributes used as a primary key

A) Composite Key	B) Alternate Key
C) Candidate Key	D) Foreign Key
9. The collection of information stored in a database at a particular moment is called as _____.

A) schema	B) instance of the database
C) data domain	D) independence
10. A relational database developer refers to a record as _____.

A) a criteria	B) a relation
C) a tuple	D) an attribute

Q.2 Answer the followings. (Any Five)**(15)**

1. Explain functions of DBMS.
2. What is an Entity & Relationship?
3. Explain Data Dictionary.
4. Give differences between Generalization and Specialization.
5. Explain Physical and Logical Data Independence.
6. Explain Group by with example.

Q.3 Answer the following. (Any three)

(15)

1. What is Constrain Explain Different constrain with example.
2. What is DBMS? List advantages and disadvantages of DBMS.
3. What is data model? Explain various types of data model.
4. Explain E-R model with its advantages.

Q.4 Answer the following.

A. Explain inner Join and Outer join with example.

(05)

B. Explain components of DBMS in detail.

(10)

OR

B. What is normalization? Explain 1NF, 2NF and 3NF with example.

(10)