B-2182

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SUBJECT CODE NO:- B-2182
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. S.Y (Sem.-IV) Examination OCT/NOV 2019
Computer Science CS012
Database Management and System Using SQL

[Time: 1:30 Hours] **[Max.Marks:50]**

Please check whether you have got the right question paper.

N.B 1) Attempt all questions.
2) Illustrate your answers with suitable diagrams.

Q.1 a) Explain three level architecture of DBMS. 10
b) Explain Network data model. 10

OR

a) Explain DBMS facilities. 10
b) Explain types of entities. 10

Q.2 a) Explain any five relational algebra queries. 10
b) Explain components of DBMS. 10

OR

Write short note on **(any four)** 20
a) SQL plus
b) Inner & outer Join
c) Database anomalies
d) Binary & Ternary relationship
e) Data association
f) Records & files

Q.3 Multiple Choice Questions: 10

1. SQL long form is ---------
a) System query language b) Structural query language
c) System question language d) Structure question language

2. Cartesian product in relational algebra is
a) Unary operator b) Not defined
c) Ternary operator d) Binary operator

3. Record is
a) Collection of fields b) data file c) data bank d) menu

4. The full form of DDL is
   a) Dynamic Data Language
   b) Data Defination Language
   c) Data Driven Language
   d) Detailed Data Language

5. In ER diagram relations all expressed as
   a) Ellipse b) Rectangle c) Diamond d) line

6. In the architecture of DBMS external level is a
   a) Physical level
   b) Logical level
   c) Conceptual level
   d) View level

7. An entity set does not have sufficient attributes to form a primary key is a
   a) Strong entity set
   b) Weak entity set
   c) Simple entity set
   d) Primary entity set

8. A subschema expresses
   a) Logical view
   b) Physical view
   c) External view
   d) All of the above

9. SET concept is used in
   a) Network model
   b) Hierarchical model
   c) Relational model
   d) None of these

10. The statement in SQL which allows to change the definition of table is
    a) Create b) Alter c) Update d) Select