



ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution



WORKSHEET – 27(ANSWER KEY)

Topic : The Relational model

Subject: COMPUTER SCIENCE

Class - 12

F.M:15

Chapter: Database Management System

Date: 09/07/2020

Choose the correct answer for each question:

15x1=15

1. Table is also referred as:
 - a) Relation
 - b) Column
 - c) Attribute
 - d) Tuple
2. An attribute is a _____ in a relation.
 - a) Row
 - b) Column
 - c) Value
 - d) Tuple
3. A row is also called _____ in a relation.
 - a) table
 - b) Column
 - c) Value
 - d) Tuple
4. Which of the following is usually chosen as a primary key for a relation?
 - a) a candidate key that is composite
 - b) a super key
 - c) a candidate key that is minimal
 - d) all of the above
5. Who proposed the relational model?
 - a) Bill Gates
 - b) E.F Codd
 - c) Herman Hollerith
 - d) Charles Babbage
6. The minimal set of super key is called:
 - a) Primary key
 - b) Secondary key
 - c) Candidate key
 - d) foreign key
7. Choose the correct statement regarding super keys:
 - a) A super key is an attribute or a group of multiple attributes that can uniquely identify a tuple
 - b) A super key is a tuple or a set of multiple tuples that can uniquely identify an attribute
 - c) Every super key is a candidate key
 - d) A super key is an attribute or a set of attributes that distinguish the relation from other relations

8. What is the degree of a table with 1000 rows and 10 columns?
- a) 100
 - b) 1000
 - c) **10**
 - d) None of these
9. In formal relational model, the set of indivisible values is called:
- a) range
 - b) **domain**
 - c) relation
 - d) tuple
10. What is an Instance of a Database?
- a) The logical design of the database system
 - b) The entire set of attributes of the Database put together in a single relation
 - c) **The state of the database system at any given point of time**
 - d) The initial values inserted into the Database immediately after its creation
11. Every candidate key is super key.
- a) **True**
 - b) False
12. What is a foreign key?
- a) A foreign key is a primary key of a relation which is an attribute in another relation
 - b) A foreign key is a super key of a relation which is an attribute in more than one other relations
 - c) **A foreign key is an attribute of a relation that is a primary key of another relation**
 - d) A foreign key is the primary key of a relation that does not occur anywhere else in the schema
13. The primary key is selected from the:
- a) Primary key
 - b) Secondary key
 - c) **Candidate key**
 - d) foreign key
14. _____ is an attribute or multiple attributes that can uniquely identify a tuple in a relation.
- a) Primary key
 - b) **Super key**
 - c) Candidate key
 - d) foreign key
15. What is the method of specifying a primary key in a schema description?
- a) By writing it in bold letters
 - b) By underlining it using a dashed line
 - c) By writing it in capital letters
 - d) **By underlining it using a bold line**

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