



BIT BANK
DATABASE MANAGEMENT SYSTEM

UNIT-I

I. Choose the correct answer:

1. A relational database consists of a collection of
a. Tables b) Fields c) Records d) Keys

Answer: a

2. A _____ in a table represents a relationship among a set of values.
a. Column b) Key c) Row d) Entry

Answer: c

3. The term ___ is used to refer to a row.
a. Attribute b) Tuple c) Field d) Instance

Answer: b

4. The tuples of the relations can be of _____ order.
a. Any b) Same c) Sorted d) Constant

Answer: a

5. The term attribute refers to a _____ of a table.
a. Record b) Column c) Tuple d) Key

Answer: b

6. In an e-r diagram double lines indicate
a. Total participation b) Multiple participation c) Cardinality N d) None

Answer: a

7. In a Hierarchical model records are organized as
a. Graph b) List c) Link d) Tree

Answer: d

8. In an E-R diagram attributes are represented by
a. Rectangle b) Square c) Ellipse d) Triangle

Answer: c

9. Course (course_id, sec_id, semester) here the course_id, sec_id and semester are _____ and course is a _____.

- a. Relations, Attribute b) Attributes, Relation
c) Tuple, Relation d) Tuple, Attributes

Answer: b

10. In the architecture of a database system external level is the _____.
a. Physical level b) logical level
c) Conceptual level d) View level

Answer: d

II. Fill in the blank:

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1. Entity is a _____. **[thing in a real world]**
2. The attribute AGE is calculated from DATE_OF_BIRTH. The attribute AGE is _____ **[derived attribute]**
3. The entity relationship set is represented in E-R diagram as _____. **[diamond]**
4. Weak entity set is represented as _____. **[double diamond]**
5. _____ Key Uniquely identifies the elements in the relation. **[primary key]**
6. Database _____ which is the logical design of the database, and the database _____ which is a snapshot of the data in the database at a given instant in time. **[schema, Instance]**
7. Student (ID, name, dept name, tot_credits) in this Schema which attributes form the primary key _____. **[ID]**
8. The attribute name could be structured as an attribute consisting of first name, middle initial and last name. This type of attribute is called _____. **[Composite Attribute]**
9. In the relational modes, cardinality is termed as _____. **[Number of tuples]**
10. A relational database developer refers to a record as _____. **[a tuple]**
11. _____ is a collection of inter-related data which is used to retrieve, insert, delete and manipulate the data efficiently. **[Database]**