

Tribhuvan University

Bachelor in computer Application(BCA)
Course Title: DataBase Management System
Semester 4th
Time: 3 hour

Full Mark 60
Pass Mark 24

MODEL SET I Group A

Attempt all the questions.

[10×1 = 10]

Circle (O) the correct answer.

- i. Database security threats includes loss of
 - (a) Confidentiality
 - (b) Integrity
 - (c) Availability
 - (d) All of the above
- ii. A database log that is used mainly for security purpose is called
 - (a) Database audit
 - (b) An audit trail
 - (c) History
 - (d) All of the above
- iii. SQL Authorization mechanism grants privileges on _____?
 - (a) Entire relation
 - (b) Specified attribute
 - (c) Both a and b**
 - (d) Specified tuples
- iv. Privileges that are granted implicitly to all current and future users are called?
 - (a) Private
 - (b) Natural
 - (c) Unnatural
 - (d) Public**
- v. Long form of DBA is
 - (a) None of these
 - (b) Database application
 - (c) Database administrator**
 - (d) Database admin
- vi. DBMS stands for
 - (a) Database Administrator system
 - (b) None of these
 - (c) Database management system**
 - (d) Database basic management system
- vii. A database is a complex type of _____

- (a) None of these
 - (b) Manager
 - (c) Data Structure
 - (d) Application
- viii. In _____ data can be stored in structured manner.
- (a) CPU
 - (b) Database**
 - (c) None of these
 - (d) ALU
- ix. A property of the entire relation, rather than of the individual tuples, is known as....
- (a) Attribute
 - (b) Constant
 - (c) Variable
 - (d) Key**

BCA

Notes

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MODEL SET II

Group A

Attempt all the questions.

[10×1 = 10]

Circle (O) the correct answer.

- i. Which of these levels deals with the physical representation of the database on the computer?
 - (a) External level
 - (b) Conceptual level
 - (c) Internal level
 - (d) None of these
- ii. The ability to change the conceptual schema without affecting the external schemas or application programs is known as
 - (a) Program data independence

- (b) Logical data independence
- (c) Physical data independence
- (d) Data abstraction
- iii. Which of these is not a representational data model
 - (a) Entity – relationship model
 - (b) Hierarchical data model
 - (c) Relational data model
 - (d) Network data model
- iv. Which of these is not a feature of Hierarchical model?
 - (a) Organizes the data in tree-like structure
 - (b) Parent node can have any number of child nodes
 - (c) Root node does not have any parent
 - (d) Child node can have any number of parent nodes**
- v. Which of these data models is an extension of relational data model
 - (a) Object-oriented data model
 - (b) Object relational data model**
 - (c) Semi-structured data model
 - (d) None of these
- vi. The information about data in a database is called
 - (a) Metadata**
 - (b) Hyperdata
 - (c) Tera data
 - (d) None of these
- vii. Which of these DBMS languages is employed by end users and programmers to manipulate data in the database,
 - (a) Data definition language
 - (b) Data presentation language
 - (c) Data manipulation language**
 - (d) Data translation language
- viii. Which one of the following is a set of one or more attributes taken collectively to uniquely identify a record.
 - (a) Candidate key
 - (b) Sub key
 - (c) Super Key**
 - (d) Foreign Key
- ix. The subset of a super key is a candidate key under what condition?
 - (a) No proper subset is a superkey**
 - (b) All subsets are superkeys
 - (c) Subset is a super key
 - (d) Each subset is a super key
- x. A function that has no partial functional dependencies is in _____ form
 - (a) 3NF
 - (b) 2NF**
 - (c) 4NF
 - (d) BCNF

