

SSR DEGREE AND PG COLLEGE(A)
Department of Computer Science
DBMS
Year-II Sem-III Question Bank

Multiple Choice Questions

1. Data is defined as:

- A) Processed information
- B) Raw facts and figures
- C) Organized records
- D) Database table

☒ **Answer: B) Raw facts and figures**

2. Which of the following is an example of a DBMS?

- A) MS Word
- B) MySQL
- C) Windows
- D) Photoshop

☒ **Answer: B) MySQL**

3. Metadata is:

- A) Raw data
- B) Data about data
- C) Duplicate data
- D) Database language

☒ **Answer: B) Data about data**

4. Which of the following is NOT a drawback of the File-Based System?

- A) Data redundancy
- B) Data inconsistency
- C) Improved security
- D) Difficult data sharing

☒ **Answer: C) Improved security**

5. Which architecture of DBMS consists of External, Conceptual, and Internal levels?

- A) Two-Tier Architecture
- B) Three-Tier Architecture
- C) Client-Server Architecture
- D) Distributed Architecture

☒ **Answer: B) Three-Tier Architecture**

6. Which SQL command is used to create a table?

- A) INSERT
- B) CREATE
- C) UPDATE
- D) SELECT

☒ **Answer: B) CREATE**

7. Which language is used to retrieve data from a database?

- A) DDL
- B) DCL
- C) DQL
- D) TCL

☒ **Answer: C) DQL**

8. Who is responsible for database security, backup, and recovery?

- A) End User
- B) Programmer
- C) Database Administrator (DBA)
- D) Operator

☒ **Answer: C) Database Administrator (DBA)**

9. Which data model stores data in tables?

- A) Hierarchical Model
- B) Network Model
- C) Relational Model
- D) Object-Oriented Model

☒ **Answer: C) Relational Model**

10. Which of the following is an advantage of DBMS?

- A) Increased redundancy
- B) Data inconsistency
- C) Data sharing
- D) Poor security

☒ **Answer: C) Data sharing**

11. The ER model is mainly used for:

- A) Programming
- B) Database design
- C) Networking
- D) Operating systems

☒ **Answer: B) Database design**

12. Which ER diagram component represents a real-world object?

- A) Attribute
- B) Relationship

- C) Entity
- D) Key

☒ Answer: C) Entity

13. Which key uniquely identifies each record in a table?

- A) Foreign Key
- B) Candidate Key
- C) Primary Key
- D) Alternate Key

☒ Answer: C) Primary Key

14. A Weak Entity:

- A) Has its own primary key
- B) Exists independently
- C) Depends on another entity
- D) Has no attributes

☒ Answer: C) Depends on another entity

15. Which attribute can have multiple values?

- A) Simple Attribute
- B) Composite Attribute
- C) Multi-Valued Attribute
- D) Derived Attribute

☒ Answer: C) Multi-Valued Attribute

16. Which relationship exists when one student can enroll in many courses and one course can have many students?

- A) One-to-One
- B) One-to-Many

- C) Many-to-One
- D) Many-to-Many

☒ **Answer: D) Many-to-Many**

17. Generalization is the process of:

- A) Dividing one entity into sub-entities
- B) Combining lower-level entities into a higher-level entity
- C) Creating relationships
- D) Removing redundancy

☒ **Answer: B) Combining lower-level entities into a higher-level entity**

18. Which normal form removes partial dependency?

- A) 1NF
- B) 2NF
- C) 3NF
- D) BCNF

☒ **Answer: B) 2NF**

19. Which normal form removes transitive dependency?

- A) 1NF
- B) 2NF
- C) 3NF
- D) BCNF

☒ **Answer: C) 3NF**

20. BCNF is:

- A) Lower than 3NF
- B) Same as 1NF
- C) A stricter version of 3NF
- D) A type of ER model

☒ **Answer: C) A stricter version of 3NF**

Fill in the Blanks

1. _____ is a collection of raw facts and figures.

Answer: Data

2. _____ is processed data that has meaning.

Answer: Information

3. _____ is data about data.

Answer: Metadata

4. A _____ is an organized collection of related data.

Answer: Database

5. _____ is software used to create, manage, and retrieve databases.

Answer: DBMS (Database Management System)

6. The _____ system stores data in separate files.

Answer: File-Based

7. The three levels of DBMS architecture are External, Conceptual, and _____.

Answer: Internal

8. The SQL command _____ is used to retrieve data from a database.

Answer: SELECT

9. _____ is responsible for database security, backup, and recovery.

Answer: Database Administrator (DBA)

10. The _____ data model stores data in the form of tables.

Answer: Relational

11. The _____ model is used for database design.

Answer: Entity-Relationship (ER)

12. A real-world object in an ER model is called an _____.

Answer: Entity

13. A _____ key uniquely identifies each record in a table.

Answer: Primary

14. A _____ entity depends on another entity for its existence.

Answer: Weak

15. An attribute that can have more than one value is called a _____ attribute.

Answer: Multi-Valued

16. A relationship between many students and many courses is called a _____ relationship.

Answer: Many-to-Many (M:N)

17. _____ is the process of combining lower-level entities into a higher-level entity.

Answer: Generalization

18. _____ is the process of organizing data to reduce redundancy.

Answer: Normalization

19. _____ Normal Form (2NF) removes partial dependency.

Answer: Second

20. _____ Normal Form (BCNF) is a stricter version of Third Normal Form.

Answer: Boyce-Codd

Short Questions.

1.Explain the Role of DBA.

2.What is Normalization

3.Explain about Different types of Keys.

4. Advantage of DBMS

5. Explain about Types of Attributes