BCA
(SEM.IV) BCA-4002:
DATABASE MANAGEMENT SYSTEM

REVISED QUESTIONS ANSWERS

EXAMINATION PAPER OF (2022-23)

Questions	Answers
26. In the ER model, an attribute is represented by _____. (A) Rectangle (B) Circle (C) Diamond (D) Ellipse	(D) Ellipse
31. The maximum number of entities that can be involved in a relationship is known as the : (A) Cardinality (B) Degree (C) Entity Set (D) Attribute	(A) Cardinality
35. The process of removing duplicate data from an ER model is known as : (A) Normalization (B) De-normalization (C) De-duplication (D) Factoring	(A) Normalization
36. Which of the following represents an identifying relationship in the ER model? (A) Dashed Line (B) Double line (C) Solid Line (D) None of the above	(C) Solid Line
37. In the ER model, a composite attribute is an attribute that : (A) Consists of multiple values (B) Cannot be further divided into subparts (C) Depends on other attributes (D) Represents a primary key	(A) Consists of multiple values
42. Which normal form requires that the database is in first normal form (INF) and all non-key attributes are fully functionally dependent on the primary.	(b) Second normal form(2NF)

Questions	Answers
(A) First normal form (1NF) (B) Second normal form(2NF) (C) Third normal form (3NF) (D) Boyce-Codd normal form (BCNF)	
46. Which normal form is based on the concept of a functional dependency? (A) First normal form (1NF) (B) Second normal form(2NF) (C) Third normal form (3NF) (D) Boyce-Codd normal form (BCNF)	(b) Second normal form(2NF)
49. Which normal form allows only atomic values and eliminates multi-valued dependencies? (A) First normal form (1NF) (B) Second normal form(2NF) (C) Third normal form (3NF) (D) Boyce-Codd normal form (BCNF)	(D) First Normal Form(1NF)
77. Which of the following concurrency control techniques ensures serializability of transactions? (A) Locking (B) Two phase commit (C) Timestamp ordering (D) Check pointing	(C) Timestamp ordering
89. Which data model is used to describe the structure and behavior of a database system? (A) Conceptual data model (B) Logical data model. (C) Physical data model (D) External data model	(B) Logical data model.

EXAMINATION PAPER OF (2021-22)

Questions	Answers
31. Which of the following is a single valued attribute ? (A) Register (B) Subjected – number taken (C) Address (D) Reference	(A) Register number

59. If a translation may obtain locks but may not release any locks then it is in _____ phase.
(A) Shrinking (B) Dead lock
    Phase   Phase
(C) Starved (D) Growing
    Phase   Phase
	(D) Growing Phase

MODEL PAPER – I

39. Updating the value of the view: (A) Will affect the relation from which it is defined (B) Will not change the view definition (C) Will not affect the relation from which it is defined (D) Cannot determine	(a) Will affect the relation from which it is defined
67. If a node is locked in _____ explicit locking is being done at a lower level of the tree, but with only shared-mode locks. (A) Intention lock modes (B) Intention-shared-exclusive mode (C) Intention-exclusive (IX) mode (D) Intention-shared (IS) mode	(C) Intention-exclusive (IX) mode
76. The log is a sequence of _____ recording all the update activities in the database : (A) Log records (B) Records (C) Entries (D) Redo	(A) Log records

MODEL PAPER – II

16. The ability to query data, as well as insert, delete, and alter tuples, is offered by _____ (A) TCL (Transaction Control Language) (B) DCL (Data Control Language) (C) DDL (Data Definition Language) (D) DML (Data Manipulation Language)	(d) DML (Data Manipulation Language)

31. What does a foreign key combined with a primary key create? (A) Network model between the tables that connect them (B) Parent-Child relationship between the tables that connects them (C) One to many relationship between the tables that connects them (D) All of the mentioned	(B)Parent-Child relationship between the tables that connects them

MODEL PAPER – III

82. Data Models in DBMS are classified into _____ categories. (A) 3 (B) 2 (C) 5 (D) 4	(A) 3
91. An audit trail _____ (A) Is used to make backup copies (B) Is the recorded history of operations performed on a file (C) Can be used to restore lost information (D) All of the these	(D) All of the these

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