

BCA Sem.-4 Examination

CC-208

Database Management System-II

May-2025

Time : 2-30 Hours]

[Max. Marks : 70

QUESTION – 1 write the following:

1. List out all constraints. Explain Primary key constraint with Example. (7)
2. Explain DML statement with example. (7)

OR

1. Explain Logical & Arithmetic operator in detail. (7)
2. Explain foreign key constraint with Example. (7)

QUESTION – 2 write the following:

1. What is a Transaction? Explain ACID properties (7)
2. What is Concurrency control? Explain locking methods. (7)

OR

1. Explain States of Transactions. (7)
2. Explain Database Recovery Management. (7)

QUESTION – 3 write the following

1. Explain Levels of Data and Process Distribution (7)
2. Explain Distributed Database Transparency Features. (7)

OR

1. Explain Distributed Processing and Distributed Database. (7)
2. Explain Transaction Transparency. (7)

QUESTION – 4 write the following

1. List the various types of Sub Query explain any 2 in detail. (7)
2. Explain Set Operators in detail. (7)

OR

1. Explain Sequence in detail. (7)
2. List out all types of SQL Join, Explain Outer Join with Example. (7)

QUESTION – 5 Attempt any seven out of twelve.**(14)**

1. _____ is used to delete a table structure.
A) DROP B) DELETE C) TRUNCATE D) CUT
2. In SQL, which of the following is not a data definition language commands?
A) RENAME B) REVOKE C) GRANT D) UPDATE
3. _____ guarantees exclusive use of a data item to a current transaction.
A) Lock B) Transaction C) Isolation D) deadlock
4. What is a table joined with itself called?
A) Join B) self join C) outer join D) equi join
5. What will be the output of the below LIKE query?
WHERE SALARY LIKE '_10%8'

(P.T.O)

N435-2

- (A) It will find any value that has a 10 at the starting position and ends with 8.
(B) It will find any value that has a 10 in the second position and ends with 8.
(C) It will find any value that has a 10 in the third position and also has 8.
(D) It will find any value that has a 10 in the second position and starts with 8.
6. By default, the order by clause lists items in _____ order.
A) Descending B) Any C) Same D) Ascending
7. _____ Operator is used for appending two strings.
A) & B) % C) || D) _
8. How many tables may be included with a join?
A) One B) Two C) Three d) All of the mentioned
9. Write down the full form of DDBMS?
10. _____ lock has only two states: locked(1) or unlocked(0).
A) Digital B) Binary C) Shared D) Exclusive
11. A _____ is an object which is used to generate a number sequence.
12. Select _____ from instructor where dept name= 'Comp. Sci.';
- Which of the following should be used to find the mean of the salary?
A) Mean(salary) B) Avg(salary) C) Sum(salary) D) Count(salary)
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