

NAAHAR PUBLIC SCHOOL (CBSE) SENIOR SECONDARY, VILLUPURAM
ACADEMIC YEAR (2022-2023)
MONTHLY TEST (Nov'22)

CLASS: XI
SUB: INFORMATICS PRACTICES(065)
SUB TEACHER: Mrs.DHIVYA.N

MARKS: 50
DUR: 1 ½ Hrs
DATE:16.11.2022

I. MCQ

15 x 1 = 15

1. How can the user change “Scaler” into “Interviewbit” in the “Name” column in the Users table?
 - a. UPDATE User SET Name = 'Scaler' INTO Name = 'Interviewbit'
 - b. MODIFY Users SET Name = 'Interviewbit' WHERE Name = 'Scaler'
 - c. MODIFY Users SET Name = 'Scaler' INTO Name = 'Interviewbit'
 - d. UPDATE Users SET Name = 'Interviewbit' WHERE Name = 'Scaler'
2. Which operator performs pattern matching?
 - a. BETWEEN operator
 - b. LIKE operator
 - c. EXISTS operator
 - d. None of these
3. In SQL, which command(s) is(are) used to change a table's storage characteristics?
 - a. ALTER TABLE
 - b. MODIFY TABLE
 - c. CHANGE TABLE
 - d. All of the above.
4. In SQL, which of the following is not a data definition language commands?
 - a. Rename
 - b. Revoke
 - c. Grant
 - d. update
5. In SQL, which command is used to SELECT only one copy of each set of duplicable rows
 - a. SELECT DISTINCT
 - b. SELECT UNIQUE
 - c. SELECT DIFFERENT
 - d. None of the above
 - b. SELECT dept_name, ID, avg (salary)
 - c. FROM instructor
 - d. GROUP BY dept_name;
 - e. This statement IS erroneous because
 - f. a) Avg(salary) should not be selected
 - g. b) Dept_id should not be used in group by clause
 - h. c) Misplaced group by clause
 - i. d) Group by clause is not valid in this query
6. The “father” of MySQL is _____.
 - a. Michael Widenius
 - b. Bill Joy
 - c. Bill Gates
 - d. Stephanie Wall
7. Which of the following can add a row to a table?
 - a. Alter
 - b. Add
 - c. Insert
 - d. Create
8. Which of these commands will delete a table called XXX if you have appropriate authority:
 - a. DROP XXX
 - b. DELETE XXX WHERE confirm = “YES”
 - c. DROP XXX WHERE confirm = “YES”
 - d. DROP TABLE XXX
9. The USE command
 - a. Is a pseudonym for the SELECT command
 - b. Has been deprecated and should be avoided for security reasons
 - c. Should be used to choose the database you want to use once you’ve connected to MySQL
 - d. Is used to load code from another file
10. The program called mysql is
 - a. There isn’t a program just called mysql
 - b. A wrapper through which Java clients must connect to the databases
 - c. A client program that lets you send SQL commands to the database engine
 - d. The database engine
11. What’s the difference between the DESCRIBE and SHOW FIELDS FROM commands?
 - a. Only SHOW FIELDS FROM can take a LIKE clause
 - b. Nothing – they’re the same thing
 - c. Only DESCRIBE can take a LIKE clause
 - d. None of the above
12. The privilege _____ can be granted to retrieve data.
 - a. READ
 - b. SELECT
 - c. UPDATE
 - d. RETRIEVE

13. ____ is the most popular Open Source SQL database management system.
a) MySQL b) Access c) MS SQL d) Oracle
14. ____ FUNCTION is used to drop user-defined functions.
a) ALTER b) DELETE c) DROP d) None of these
15. The ____ command can be used to show the metadata regarding the table created.
a) SHOW b) EXPLAIN c) FIND d) DESC

II. Very Short answers

15 x 1 = 15

16. Write full form of DBMS.
17. A group of rows and columns is called ____.
18. Candidate Key – Primary key = ____.
19. A primary key is one of the candidate key. (True/False).
20. What do you mean by degree and cardinality in DBMS?

A. Answer the following questions on the basis the given table.

Admno	Name	Subject	Sex	Average
1001	Amit	Math	M	85.5
1002	Suman	English	F	90

21. How many attributes are there in above table?
22. How many tuples are there in above table?
23. Name the primary key in the table.
24. What is the purpose of creating primary key in table.
25. Write any five attributes of book entity.
26. What are the 5V's we follow in big data characteristics.
27. _____ Technology refers to the record-keeping technology used to hold transactional records while ensuring security, transparency, and decentralization.
28. A ____ converts the physical parameter (for example temperature, blood pressure, humidity, speed, etc.) into a signal which can be measured electrically.
29. The superimposition of computer-generated perceptual information over the existing physical surroundings is called ____.
30. _____ allows a user to look at, explore, and interact with the virtual surroundings, just like one can do in the real world.

III. Short Answer

5 x 2 = 10

31. List some of the cloud-based services that you are using at present.

32. Match the following:

Column A

You got a reminder to take medication

You got a SMS alert that you forgot to lock the door

You got the SMS alert that parking space is available near your block

You turned off your LED TV from your wrist watch

Column B

Smart Parking

Smart Wearable

Home
Automation

Smart Health

33. Identify the DDL and DML commands from the following.

Create, Alter, Insert, Update
Drop, Delete Select , Rename

34. Consider the following table STUDENT.

REGD.NO	NAME	BRANCH
0001	Ram	CSE
0002	Hari	MECH
0003	Pradeep	EEE
0004	Deepak	ETC

Write down the SQL command which will show the Regd. No of Pradeep.

35. Consider the above table STUDENT.(ref Q.34)

I want to add another column in the STUDENT table as "address". How can I do that?

IV. Long Answer (any two)

2 x 5 =10

36. Write a short note on Big data and its characteristics.
37. Explain about the MySQL data types.
38. Differentiate between cloud computing and grid computing with suitable examples.