Sql Server Test :

Part - A

1. Which of the following is not a class of constraint in SQL Server?
   a. Unique
   b. Not null
   c. Check
   d. Null

2. Which of the following joins are SQL Server default?
   a. Inner
   b. Equi
   c. Outer
   d. Non-Equi

3. Which function returns the rank of rows within the partition of a result set , without any gaps in the ranking?
   a. Rank
   b. Ntile
   c. Dense_rank
   d. Row_number

4. Which function returns current date and time?
   a. Setdate
   b. Getdate
   c. Sysdatetime
   d. Date

5. Find all the employees with the age , condition and years whose age is in the range of 25 to 40.
   a. Select * from employees where age in (25 to 40).
   b. Select * from employees where age not in (25 and 40).
   c. Select * from employees where age between 25 and 40.
   d. Select * from employees where age like 25 and 40.

6. What is View?
   a. A view is a database diagram.
   b. A view is a virtual table which results of executing a pre-compiled query.
   c. A view is a special procedure executed when certain event occurs.
   d. None of the above

7. For the aggregate functions, what will be their input and output?
    a. Collection of values , Single value
    b. Double value , Single value
    c. Single value , Collection of values
    d. All of the above

8. If we want to eliminate duplicates , what aggregate function is used?
    a. Unique
    b. Distinct
    c. Primary Key
    d. Foreign Key

9. Select emp_name , salary from employees order by salary _____ .
    a. Max 10
    b. Upto 10
    c. Only 10
    d. Limit 10

10.   The following query can be replaced by which one of the following?

   Select name , course_id from instructor , teacher where instructor_id =teacher_id

a. Select name , course_id from teacher, instructor where instructor_id=course_id
b. Select name , course_id from instructor natural join teacher
c. Select name , course_id from instructor
d. Select course_id from instructor join teacher

11. Which of the following statements contains error?
a. Select * from employees where emp_id=1001
b. Select emp_id from employees where emp_id=1001
c. Select emp_id from employees
d. Select emp_id where emp_id=1001 and last_name='pandiyan'

12. Which of the following constraint does not enforce uniqueness?
a. Unique
b. Primary key
c. Foreign key
d. None of the Above

13. Triggers is a special type of _____.
a. Stored Procedure

b. Function

c. View

d. Table

14. After trigger in sql server can be applied to
_____

a. Table

b. Index

c. Tables and views

d. Functions

15. Triggers can be enabled or disabled with the
_____.

a. Insert table statement

b. Alter table statement

c. Drop table statement

d. None of the above

16. The Purpose of the index in SQL Server

a. To enhance the query performance

b. To perform fast searches

c. To provide an index to a record

d. All the above

e. None of the above

17. Point out the correct statement
    a. Triggers are the Database Object
    b. Three types of triggers are present in SQL Server
    c. A DDL trigger is an action programmed to execute when a DML event occurs in the database server
    d. All the above
    e. None of the above

18. Constraints can be applied on _____
    a. Column
    b. Table
    c. Field
    d. All the above

19. The purpose of foreign key constraint in SQL server is _____
    a. A foreign key in one table points to a candidate key in another table
    b. Foreign key constraints identify and enforce the relationship between tables
    c. We cannot insert a row with a foreign key value , except null , if there is no candidate key with that value.

  d. None of the above

20. How many types of DML Triggers are present in SQL Server?
  a. 1
  b. 2
  c. 3
  d. 4

Part –B

21. Write a query to retrieve the data (Student id , student name , standard , total percentage from 5 subjects , class Teacher id from students Academics table . But total percentage column need not to be there on the table.

22. Write a query to retrieve the data of 10th standard students whose age is greater than 15 and store that data on a separate new table as eligible students for 10th public exam

23. Write a query to create a complex view which retrieve student id, student name,standard,class teacher id , class teacher name , total year of experience(calculate from the joining date)

24. Write a query to do manipulations on the above complex view . and maintain the audits for the tables should be maintained on separate tables(Eg . for the students academics table maintained as student_academics_audit and for the teachers table maintained as teachers_audit).

25. Write a procedure to update datas on Students academics table.