19DAU13

PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2022

(Third Semester)

Branch - COMPUTER SCIENCE WITH DATA ANALYTICS

RELATIONAL DATABASE MANAGEMENT SYSTEM

Ti	me: Three Hours	Maximum: 75 Marks
	<u>S</u>	ECTION-A (10 Marks)
		Answer ALL questions
		stions carry EQUAL marks $(10 \times 1 = 10)$
1.	Which of the following is the lov stored?	west level of abstraction describes how the data are actually
•	a) Physical level c) View level	b) Logical level d) System level
2.	A relational database consists of	a collection ofeach of which is assigned a
	unique name a) tables c) values	b) entity d) domain
3.		
Э.	A is an association of the state of th	ation among several entities. b) descriptive
	c) binary	d) relationship
4		,
4.		re attributes taken collectively to uniquely identify a record. b) Foreign key
	a) Primary Keyc) Super key	d) Candidate key
5.		umber of rows in a table.
	a) COUNT(*)	b) Avg
	c) SUM	d) COUNT
6.	Which of the following command	ds is used to delete all rows and free up space from a table?
	a) TRUNCATE	b) DELETE
	c) DROP	d) ALTER
7.	An SOI refers to a	program that retrieves and processes one row at a time,
	based on the results of the SQL s	
	a) Cursor	b) Function
	c) Procedure	d) View
ጸ	The syntax for creating view is_	A Compared to the problem was a second of the com-
Ο.	a) CREATE VIEW AS SELECT c) DROP VIEW AS SELECT	b) CREATE VIEW AS UPDATE d) CREATE VIEW AS UPDATE
9.	Which of the operation are not sp	pecifies in triggers?
	a)ALTER	b) UPDATE
	c) INSERT	d) DELETE
10	. How many ways to pass the para	
I U.	a) 3	b) 4
	c) 2	d) 5

Cont...

SECTION - B (25 Marks)

Answer ALL questions ALL questions carry EQUAL Marks

 $(5 \times 5 = 25)$

State the general uses of data retrieval system.

- Explain the structure of relational database.
- Outline about on Boyce-Codd Normal Form with an example.

- Clarify about the terms of Oracle types give an example.
- Write short notes on aggregate function used in SQL. 13 a

- Demonstrate the pattern matching queries in SQL.
- How do you create a sequence in SQL give an example.

- Compare the difference between grant and revoke in SQL.
- 15 a How to delete trigger in SQL give an example?

b Difference between stored procedure and stored function.

SECTION -C (40 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

 $(5 \times 8 = 40)$

Summarize the view of data in a database system

- Examine the following i) Relational Query Language ii) Relational Operators
- Outline the concept of Entity-Relationship Model 17 a

- Illustrate about on data manipulation in database management system
- Determine the many faces of SQL statement with an example

- Write an SQL program to find the factorial of a given number using function
- Explain in detailed about creating a report in SQL * plus given a suitable example.

- Illustrate the basic syntax of PL/SQL with an example
- Explain the various types of database trigger. How to create a trigger in PL/SQL give an example.

OR

Demonstrate how to create stored procedure in PL/SQL and write the application of using stored procedure. **END** Z-Z-Z