

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2022
(Fourth Semester)

Branch – INFORMATION TECHNOLOGY

RELATIONAL DATABASE MANAGEMENT SYSTEM

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 x 1 = 10)

- 1 The _____ revolution of late 1990's sharply increased the use of the direct access of database
(i) Telecommunication (ii) Internet
(iii) Enterprise (iv) Mobile
- 2 DML _____
(i) Data Manipulation Language (ii) Data Markup Language
(iii) Data Multiplexing Language (iv) None
- 3 In mathematical terminology, a _____ is a sequence of values.
(i) tables (ii) attributes
(iii) tuple (iv) data
- 4 The data values stored in the database must satisfy certain type of _____ constraints.
(i) Access (ii) Inconsistency
(iii) Concurrency (iv) table
- 5 To work in Oracle, the user should be able to effectively work with Oracle ____
(i) DBA (ii) Segments
(iii) Program (iv) None
- 6 The structure of a function is such that it accepts zero or more _____
(i) function (ii) arguments
(iii) Commands (iv) All the above
- 7 _____ allows the grantee to change the table definition
(i) Index (ii) ALTER
(iii) SELECT (iv) Update
- 8 Procedures are named _____ blocks.
(i) PL/SQL (ii) declarative
(iii) exceptional (iv) Program
- 9 Stored function can help to enforce data _____
(i) Performance (ii) Productivity
(iii) Security (iv) All the above
- 10 A trigger can permit _____ statements.
(i) DDL (ii) DML
(iii) executable (iv) exceptional

Cont...

SECTION - B (25 Marks)

Answer ALL questions
 ALL questions carry EQUAL Marks (5 x 5 = 25)

- 11 a State the importance of Database.
 OR
 b Analyse the need for Data mining and Information retrieval.
- 12 a How the process are carried in relational algebra.
 OR
 b Describe about atomic domain and First Normal Form (FNF) with examples.
- 13 a Describe the Data manipulation in DBMS.
 OR
 b How the data constraints are implemented in SQL? Give an example.
- 14 a Show the working process of Intersect Clause.
 OR
 b Explain the syntax used for creating stored procedure.
- 15 a Elucidate the stored functions usage with example.
 OR
 b Outline the syntax used for creating triggers.

SECTION -C (40 Marks)

Answer ALL questions
 ALL questions carry EQUAL Marks (5 x 8 = 40)

- 16 a Analyze the purpose of database.
 OR
 b Explain database users and administrators.
- 17 a Bring out the features of Good relational design.
 OR
 b Explain Relational operators with examples.
- 18 a Explain the different faces of SELECT command.
 OR
 b Point out the logical Operators used in SQL with examples.
- 19 a Highlight the "Views" used in SQL.
 OR
 b Summarize the "Sequence" used in SQL.
- 20 a Develop an application using function.
 OR
 b Trace out the steps used in creating and deleting triggers.

Z-Z-Z

END