

S.NO: 22N1- UCS

Course Code: XUF

A.D.M.COLLEGE FOR WOMEN, NAGAPATTINAM

(AUTONOMOUS)

B.Sc (Computer Science) Degree Examination

III Semester – November – 2022

CC VI – DATABASE SYSTEMS

Time: 3 hours

Maximum Marks: 75

Section –A

10X2=20

Answer **ALL** the Questions

1. Define: DBMS.
2. List out any two functions of Database Administrator.
3. What are null values?
4. What is DDL?
5. Define: Normalization.
6. What is first normal form?
7. How to declare a variable in PL/SQL?
8. Write the block structure of PL/SQL.
9. How to declare a cursor?
10. Define: Exception.

Section -B

5X5=25

Answer **ALL** the Questions

11. a) Illustrate the database architecture.

(or)

b) Explain the structure of relational databases.

12. a) Discuss the set operations.

(or)

b) Explain the aggregation functions.

13. a) Explain the third normal form.

(or)

b) Discuss the fourth normal form.

14. a) Write a PL/SQL code to find the factorial of a given number.

(or)

b) Identify the data types of PL/SQL.

15. a) Explain how user defined exceptions are handled in PL/SQL.

(or)

b) Categorize the types of exceptions.

Section -C

3 X 10 = 30

Answer any **THREE** Questions

16. Illustrate the Entity-Relationship model.
17. Explain the relational algebra operations.
18. Describe the Boyce-code normal form.
19. Identify the control structures in PL/SQL.
20. Elaborate the cursors in PL/SQL.

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