



December 2020

2020/UG
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JUSTICE BASHEER AHMED SAYEED COLLEGE FOR WOMEN (*Autonomous*),
CHENNAI-600018

III SEMESTER (Regular) - Applicable to candidate admitted in the year 2018

III B.Sc. Electronics and Communication Science

Database Management System – WVCE2(5)

TIME: 90 Minutes

MAXIMUM MARKS: 50

The first ten minutes should be used for reading the question paper only. The students should not begin to answer the questions in the first ten minutes.

SECTION-A

Answer all the questions.

15 Marks

I. Fill in the blanks

(5 X 1 = 5 Marks)

1. A goal of a _____ study is to determine whether a proposed project is worth pursuing.
2. _____ keyword specified in the query, eliminate duplicate rows.
3. An attribute in a relation is a foreign key if the _____ key from one relation is used as an attribute in that relation.
4. A transaction completes its execution is said to be _____.
5. DBA stands for _____.

II. Choose the correct answer

(5 X 1 = 5 Marks)

6. Who proposed the relational model?
 - a) Bill Gates
 - b) Charles Babbage
 - c) E.F. Codd
 - d) Herman Hollerith
7. _____ is an Oracle Database Language.
 - a) MS Access
 - b) SQL
 - c) XML
 - d) All of the above
8. The primary concept of constraint is basically on _____.
 - a) Single table
 - b) Boolean algebra
 - c) Redundancy
 - d) Integrity
9. A form can be used to _____.
 - a) Modify a record
 - b) Delete a record
 - c) Format printed output
 - d) All the above
10. Which technique is used to restore a database upto the last consistent state after system failure?
 - a) Backup
 - b) Recovery
 - c) Both (a) and (b)
 - d) None of the above



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III. Answer the following in One or Two Sentences

(5 X 1 = 5 Marks)

11. List any two applications of DBMS?
12. Which circumstance you would choose to use embedded SQL rather than SQL alone?
13. Define Functional Dependency.
14. Write the ACID properties of Transactions.
15. What is Database administration?

SECTION - B

(3 x 5 = 15 Marks)

Answer any three questions.

All questions carry equal marks. (Each answer should not exceed 150 words)

16. Compare the features of file system with database system.
17. Explain the process of joining tables in a query.
18. How do you convert class diagrams into normalized table? Give example.
19. Enumerate the basic elements of Reports.
20. Highlight the responsibilities of Database Administrator.

SECTION - B

(2 x 10 = 20 Marks)

Answer any two questions.

All questions carry equal marks. (Each answer should not exceed 300 words)

21. With a neat diagram, explain the structure of DBMS.
22. Discuss about various commands DDL and DML with example.
23. Summarize Normalization and its types with examples.
24. Describe the significance of Client/Server Databases.

----- *All the Best*
