B.C.A DEGREE EXAMINATION, NOVEMBER 2021.

Third Semester

Computer Applications

DATABASE MANAGEMENT SYSTEMS

(CBCS – 2017 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1. What is Data?

2. What is an ER diagram in DBMS?

3. What is a Primary Key?

4. What is fully functional dependency?

5. What is Parallel database?

6. What are the advantages of distributed databases?

7. What is Composite Index?

8. Define Privileges?

9. What is SQL?

10. What is a Trigger?

Part B (5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Explain about Constraints.

Or

(b) Describe about the database administrators.

12. (a) Explain the features of good Relational database design.

Or

(b) Explain Multi Valued dependencies.

13. (a) Describe about distributed query processing.

Or

(b) Write a short notes on Interquery parallelism.

14. (a) Explain about indexes.

Or

(b) How to create and maintain the tables?

15. (a) Explain about function with an example.

Or

(b) Explain about packages with example.

Part C (3 × 10 = 30)

Answer any **three** questions.

16. Explain about Database languages.

17. Explain the various forms of Normalization.

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18. Explain the database System Architecture.

19. Explain about the users Privileges and Roles.

20. Write a program to find the factorial of a number using procedure.

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