[21-BS325]

AT THE END OF THIRD SEMESTER (CBCS PATTERN) EXAMINATION

COMPUTER SCIENCE - III - DATABASE MANAGEMENT SYSTEM UG PROGRAM (4 YEARS HONORS)

(w.e.f. Admitted Batch 2020-21)

Time: 3 Hours

Maximum: 75 Marks

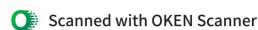
SECTION-A

L Answer any five questions.

- $(5 \times 5 = 25)$
- 1. Write draw backs of file based systems.
- 2. Write the advantages of ER Modelling.
- 3. Write about degree of relationship.
- 4. Write a note on CODD rules.
- 5. Write about classifications of database approach.
- 6. What are the data types in SQL.
- 7. What is a Database Trigger? Write about different types of Triggers.
- 8. Write about SUBQUERY concept in SQL.

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SECTION - B

II. Answer all questions.

 $(5 \times 10 = 50)$

9. a) Explain various Data Models.

(OR)

- b) Explain Three Schema Architecture.
- 10. a) Write about the basic building blocks of ERM?

(OR)

- b) Explain the Specialization and Generalization concept.
- 11. a) Explain Relational Algebra Operations.

(OR)

- b) What is normalization and write about 1st, 2nd and 3rd Normal forms.
- 12. a) Explain DDL, DML, DCL commands in SQL. (OR)
 - b) Write the syntax of SELECT and explain FROM, WHERE, ORDER by clauses with appropriate examples.
- 13. a) Write and explain the structure of PL/SQL programme.

(OR)

b) Write about the control structures supported by PL/SQL.