Reg. No.								

G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS), KOVILPATTI – 628 502.

UG DEGREE END SEMESTER EXAMINATIONS - NOVEMBER 2025.

(For those admitted in June 2023 and later)

PROGRAMME AND BRANCH: B.C.A.

SEM	CATEGORY	COMPONENT	COURSE CODE	COURSE TITLE
I	PART - III	ELECTIVE GENERIC - 1	U23CA1A1	RDBMS with PL/SQL

Date & Session:12.11.2025/FN **Time : 3 hours** **Maximum: 75 Marks**

Course Outcome	Bloom's K-level	Q. No.	SECTION – A (10 X 1 = 10 Marks) Answer ALL Questions.
CO1	K1	1.	Which of the following is not a function of the database? a) Managing stored data b) Manipulating data c) Security for stored data d) Analysing code
CO1	K2	2.	Select the symbol, which is used to represent entity sets in an ER diagram. a) Divided rectangles b) Diamonds c) Lines d) Undivided rectangles
CO2	K1	3.	Which of the following is a fundamental operation in relational algebra? a) Set intersection b) Natural join c) Assignment d) None of the mentioned
CO2	K2	4.	Indicate the symbol used in the place of except? a) ^ b) V c) ¬ d) ~
CO3	K1	5.	Find the FALSE statement about normal forms a) BCNF is stricter than 3 NF b) Lossless, dependency -preserving decomposition into 3 NF is always possible c) Loss less, dependency – preserving decomposition into BCNF is always possible d) Any relation with two attributes is BCNF
CO3	K2	6.	Show the form, which simplifies and ensures that there are minimal data aggregates and repetitive groups: a) 1NF b) 2NF c) 3NF d) All of the mentioned
CO4	K1	7.	Identify the additional filter that is applied to the result? a) Select b) Group-by c) Having d) Order by
CO4	K2	8.	Indicate the join, which refers to join records from the right table that have no matching key in the left table are included in the result set: a) Left outer join b) Right outer join c) Full outer join d) Half outer join
CO5	K1	9.	Which keyword must be used here to rename the field name in a query? a) from b) rename c) as d) join
CO5	K2	10.	Express the purpose of "after triggers" a) Triggers generated after a particular operation b) These triggers run after an insert, update or delete on a table c) These triggers run after an insert, views, update or delete on a table d) All of the mentioned

Course Outcome	Bloom's K-level	Q. No.	**SECTION – B (5 X 5 = 25 Marks)** **Answer ALL Questions choosing either (a) or (b)**
CO1	K3	11a.	Write any 5 advantages of DBMS. **(OR)**
CO1	K3	11b.	Illustrate the classification of ER Model.
CO2	K3	12a.	Interpret the types of Keys in Relational Model. **(OR)**
CO2	K3	12b.	Write the limitations of Relational Model.
CO3	K4	13a.	Analyse the Features of Normalization. **(OR)**
CO3	K4	13b.	Classify the operations on Transactions.
CO4	K4	14a.	Illustrate the features of Numeric and Character data type. **(OR)**
CO4	K4	14b.	Categorize the types of Outer Joins with suitable examples.
CO5	K5	15a.	Explain the structure of PL/SQL Block. **(OR)**
CO5	K5	15b.	Evaluate the concept of Operator Precedence in PL/SQL.

Course Outcome	Bloom's K-level	Q. No.	**SECTION – C (5 X 8 = 40 Marks)** **Answer ALL Questions choosing either (a) or (b)**
CO1	K3	16a.	Interpret the architecture of DBMS. **(OR)**
CO1	K3	16b.	Illustrate the building blocks of ER diagram.
CO2	K4	17a.	Analyse the Key Concepts of Relational Model. **(OR)**
CO2	K4	17b.	Examine the Relational Algebra Operations.
CO3	K4	18a.	Classify the types of Functional Dependencies. **(OR)**
CO3	K4	18b.	Categorize the types of Normal Forms.
CO4	K5	19a.	Interpret any 3 DDL Commands with proper samples. **(OR)**
CO4	K5	19b.	Evaluate any 3 DML Commands with appropriate examples.
CO5	K5	20a.	Explain Functions in PL/SQL with sample code. **(OR)**
CO5	K5	20b.	Summarize the feature of Triggers in PL/SQL with sample code.