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Paper ID [A0407]

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M.Sc. (IT/PGDCA - 202)/B.Sc. (IT- 502) (New) (Sem. - 2nd)
RDBMS

Time : 03 Hours   Maximum Marks : 75

Instruction to Candidates:

1) Section - A is **Compulsory**.

2) Attempt any **Nine** questions from Section - B.

Section - A

Q1)   *(15 × 2 = 30)*

a) What is data model?

b) Differentiate Primary key and candidate key.

c) Describe term fully functionally dependency with example.

d) Describe different types of attributes in Entity Relationship model.

e) Define the task of DBMS.

f) What is the function of CHECK constraint?

g) How we can rename and drop the table?

h) What is the use of HAVING clause?

i) Describe INTERSECT operator with example.

j) What is Index? How indexes are created?

k) What do you mean by a literal?

l) What is the purpose of using FETCH statement in the cursor?

m) How procedures are created? Discuss.

n) Describe the difference between actual and formal parameters.

o) Describe GRANT and REVOKE command with its syntax.

Section - B

(9 × 5 = 45)

Q2) What is relational database management system? Explain its characteristics.

Q3) Explain three level architecture of DBMS along with the function of mapping.

Q4) What is the need of normalization? Explain 3 NF with example.

Q5) Explain different types of relationships in E-R model with examples.

Q6) Define data Constraints in SQL and explain their types.

Q7) Explain various aggregate functions in Oracle.

Q8) Explain various types of operators available in Oracle.

Q9) How indexes are created and destroyed? Explain.

Q10) What are the advantages of PL/SQL over SQL?

Q11) Write PL/SQL code to find average marks of five subjects.

Q12) What is package? What are its advantages? Explain its structure.

Q13) Write a procedure in PL/SQL to find the record of employees that belong to a particular department.

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