

Roll No.....

Total No. of Questions : 13]

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Paper ID [A0312]

(Please fill this Paper ID in OMR Sheet)

B.Sc.(IT) (304/204) (OLD) (Sem. - 3rd)

RDBMS-II WITH SQL SERVER

Time : 03 Hours

Maximum Marks : 75

Instruction to Candidates:

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Nine** questions from Section - B.

Section - A

(15 × 2 = 30)

Q1)

- a) What is the building block of a relational database?
- b) What is the most important point to remember about creating tables?
- c) What are your alternatives to the text data type? When should you use each of them?
- d) How we can sort data by using ORDER BY clause?
- e) What is the difference between COMPUTE BY and GROUP BY clause?
- f) What is transaction?
- g) Differentiate CHECK POINTS from SAVE POINTS.
- h) Describe COALESCE function.
- i) What is the advantage of CHECK constraint?
- j) Can you drop the indexes created by some constraints?
- k) What do triggers enforce?
- l) Is it possible to change the database owner?
- m) Describe the REVOKE object permission command.
- n) Define database audit.
- o) What are the functions of DBA?

Section - B

(9 × 5 = 45)

- Q2)* Explain different relational database objects.
- Q3)* Explain different data types in SQL server 2000.
- Q4)* Explain different functions in SQL.
- Q5)* Describe with example AGGREGATE FUNCTIONS in SQL.
- Q6)* Describe the UPDATE statement using a lookup table.
- Q7)* Explain the ACID properties of a transaction.
- Q8)* Explain different types of integrity constraints in SQL server 2000.
- Q9)* Describe procedure of creating and manipulating the views.
- Q10)* Create a trigger that prevents you from adding a new book title without having a valid publisher.
- Q11)* Explain how permissions are given on stored procedures.
- Q12)* Explain different database roles.
- Q13)* What are stored procedures? Explain their uses.

