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SEAT No. :

PD-922

[Total No. of Pages : 3

[6439]-117

S.Y. B.Com.

COMPUTER PROGRAMMING AND APPLICATION - II

246 L : Relational Database Management System - II

(2019 Pattern) (CBCS) (Semester - IV)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Q.No. 1 and Q.No. 6 compulsory.
- 2) Solve any three questions from the remaining questions No. 2, 3, 4 and 5.
- 3) Figures to the right indicate full marks.

Q1) A) Fill in the blanks (Any 5) : [5]

- i) _____ are a database feature that can automatically generate unique numbers.
 - a) Synonyms
 - b) Sequence
 - c) Index
 - d) View
- ii) _____ Command removes user access right to the database objects.
 - a) Grant
 - b) Revoke
 - c) Constraint
 - d) Privileges
- iii) In SQL, Grant command is used to _____.
 - a) allow user to access databases
 - b) allow user to create databases
 - c) choose auditing for specific SQL commands
 - d) grant system privileges, roles, and object privileges to users and roles
- iv) _____ key ensure the referential integrity of the data in one table to match the values in another table.
 - a) Primary key
 - b) Foreign key
 - c) Unique key
 - d) Not null key

P.T.O.

v) The _____ of following is not a valid SQL Data type.

- a) float
- b) numeric
- c) decimal
- d) character

vi) SQL is _____ Query Language.

- a) Stable
- b) Structured
- c) Suitable
- d) Strong

B) Solve the following queries : [5]

i) Create Table

Employee having structure (E_id, EName, Jdate, Salary)

ii) Display all records of employee in descending order of name.

iii) Find all employee whose salary is less than Rs. 10000.

iv) Delete the record of employee having E_id = 3.

v) Change the joining date of employee id = 1 to 15-Mar-2024.

Q2) Answer the following questions : [15]

a) Explain scalar function with example in SQL.

b) What is the use of index?

c) What are the restrictions for Alter command in SQL.

Q3) Answer the following questions : [15]

a) What is universal data access?

b) Explain advantages of DBMS.

c) Explain types of view.

Q4) Answer the following questions : [15]

a) Explain user Privileges in detail.

b) Explain IN and NOT IN operator.

c) Explain aggregate functions with examples.

Q5) Answer the following questions :

[15]

- a) Explain where clause with example.
- b) Explain types of joins.
- c) Write a co-related sub queries.

Q6) Write short note on following (Any 3) :

[15]

- a) Rollup operator in SQL.
- b) Advantages of RDBMS.
- c) Use of ADO.
- d) Unique and NOT NULL constraint.
- e) DDL

