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SEAT No. :

PC-1031

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S.Y. B.Com.

**246 L : COMPUTER PROGRAMMING AND
APPLICATION -II**

**Relational Database Management System
(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) *Figure to the right indicates full marks.*

Q1) A) Fill in the blanks :

[5]

- i) 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 uses and roles
- ii) Operator _____ tests column for absence of data.
 - a) Null
 - b) Exists Operator
 - c) NOT Operator
 - d) ISNULL Operator
- iii) _____ are a database feature that can automatically generate unique numbers.
 - a) Synonyms
 - b) Sequence
 - c) Index
 - d) View
- iv) In sql _____ is a virtual table based on the result-set of an SQL statement
 - a) Synonyms
 - b) Sequence
 - c) Index
 - d) View

P.T.O.

v) _____ is a single key or a group of multiple keys that uniquely identify rows in a table.

- a) Candidate key
- b) Super key
- c) Unique key
- d) Null key

B) Answer the following Queries : [5]

Department table having following structure. (dept_No, dept_name, location).

- i) Create table Department.
- ii) Display name of departments in uppercase located at Delhi in descending order.
- iii) Add new department information to department table.
- iv) Change location of department No = 10 to pune.
- v) Display the location of department that begin with 'S'

Q2) Answer the following questions : [15]

- a) What is data, information, field, record and file
- b) Explain importance of DBMS?
- c) What is RDBMS?

Q3) Answer the following questions : [15]

- a) Write note on super key, candidate key, primary key, foreign key?
- b) Write sql command syntax and example to create table?
- c) How SQL commands are classified?

Q4) Answer the following questions : [15]

- a) Write sql command syntax and example to Alter table?
- b) Explain UPDATE command with syntax and example.
- c) Write on unique and not null constraint?

Q5) Answer the following questions :

[15]

- a) Explain Grant and Revoke commands of SQL.
- b) Explain types of view?
- c) Explain date time functions of SQL

Q6) Answer the following (any three) :

[15]

- a) What is sequence?
- b) State different types of joins in SQL.
- c) What are system privileges?
- d) What is ODBC?
