

F.Y. B. SC. (Computer Science) SEM – I (CBCS - 2016 COURSE) :
SUMMER - 2019
SUBJECT: INTRODUCTION TO RDBMS

Day: Wednesday
Date: 10/04/2019

Time: 11.00 AM TO 02.00 PM
Max. Marks: 60

S-2019-1070

N.B:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.

Q.1 A) Select the correct option and rewrite the complete sentence: (06)

- a) Which of the following operator performs pattern matching?
 - i) BETWEEN
 - ii) EXISTS
 - iii) LIKE
 - iv) NONE
- b) Which of the following operator tests column for the absence of data?
 - i) EXISTS
 - ii) IS NULL
 - iii) NOT
 - iv) NONE
- c) Which of the following command is used to change a table's storage characteristics?
 - i) ALTER
 - ii) MODIFY
 - iii) RENAME
 - iv) ALL
- d) What is the language used by most of the DBMS for helping their users to access data?
 - i) High level language
 - ii) 4GL
 - iii) Programming language
 - iv) Query language
- e) The language used in application program to request data from the DBMS is referred to as the:
 - i) DML
 - ii) Query language
 - iii) DDL
 - iv) All
- f) Which of the following is not SQL command?
 - i) CREATE
 - ii) ALTER
 - iii) DROP
 - iv) ALL are SQL commands

B) Answer all the questions in one sentence: (06)

- a) What is primary key?
- b) What is tuple?
- c) What is domain?
- d) Define sub query.
- e) What is collision?
- f) What is power() function in SQL?

P.T.O.

Q.2 Answer **ANY THREE** of the following: (12)

- a) Explain index file organization.
- b) Explain data abstraction.
- c) Discuss GROUP BY clause with syntax and example.
- d) Explain intersection operation in SQL with example.

Q.3 Answer **ANY FOUR** of the following: (12)

- a) What is physical and logical file?
- b) Explain NOT IN operator with the help of example.
- c) What is relationship set in SQL?
- d) Write a short note on network model.
- e) What is weak entity? Give one example for the same.

Q.4 Answer **ANY TWO** of the following: (12)

- a) What is the use of UPDATE statement? Explain UPDATE statement with syntax and example.
- b) Draw E-R model for Railway Reservation system.
- c) Explain HAVING clause with syntax and example.

Q.5 Answer **ANY TWO** of the following: (12)

- a) Create table Employee. Insert five records and display the records on the screen.
- b) Explain ORDER BY clause with syntax and example.
- c) Explain ALTER statement with syntax and example.

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