

**F.Y. B. SC. (COMPUTER SCIENCE) SEM – I (CBCS - 2016
COURSE) : SUMMER - 2018
SUBJECT: INTRODUCTION TO RDBMS**

Day: **Thursday**
Date: **12/04/2018**

S-2018-0792

Time: **11.00 A.M. TO 02.00 PM**
Max. Marks: 60

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) The SQL operator _____ is used with wildcards.
i) Not in ii) like iii) in iv) in only
- b) Which of the following is not aggregate function.
i) count ii) mean iii) min iv) max
- c) Large collection of files are called _____.
i) fields ii) records iii) database iv) file system
- d) Attribute is referred as _____ of a table.
i) record ii) column iii) tuple iv) key
- e) Which of the following SQL command is used to add new column to existing table?
i) create ii) update iii) alter iv) select
- f) The SQL keyword BETWEEN is used
i) for range searching
ii) as a wildcard
iii) to limit the columns displayed
iv) none of the above

B) Answer all the questions in one sentence. **(06)**

- a) What is RDBMS?
- b) What is stored procedure?
- c) What are fields?
- d) What is unique key?
- e) What is subquery?
- f) What is pattern matching in SQL?

Q.2 Attempt any **THREE** of the following: **(12)**

- a) Differentiate between binary and ternary relationship.
- b) Explain rename operation with syntax and example.
- c) What is indexed sequential file organization?
- d) Why SQL is called as procedural language?

Q.3 Attempt any **FOUR** of the following: **(12)**

- a) Explain create table statement with syntax and example.
- b) Differentiate between primary key and foreign key.
- c) Explain SQL data types.
- d) Explain order by clause with suitable example.
- e) Draw and explain hierarchical data model.

Q.4 Attempt any **TWO** of the following: **(12)**

- a) What is select statement? Explain the syntax with suitable examples.
- b) Explain the following operators with syntax and example?
i)AND ii) OR
- c) What is file organization? What are types of file organization?

Q.5 Attempt any **TWO** of the following: **(12)**

- a) What is data independence? What are types of data independence?
- b) Draw ER diagram for college admission system.
- c) Explain having clause with suitable example.

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