

BACHELOR OF SCIENCE (COMPUTER SCIENCE) (CBCS - 2018 COURSE)
F.Y.B.Sc.(Computer Science) Sem-I :SUMMER- 2022
SUBJECT : INTRODUCTION TO RDBMS

Day : Saturday

Date : 2/7/2022

S-20066-2022

Time : 11:00 AM-02:00 PM

Max. Marks : 60

N. B.

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

Q.1 Attempt **Any TWO** of the following : **(12)**

- a) What is a file? Explain the structure of a file.
- b) Explain SQL UPDATE statement with the help of syntax and example.
- c) Explain AND, OR and BETWEEN operators in SQL.

Q.2 Attempt **Any TWO** of the following : **(12)**

- a) Explain the characteristics of DBMS.
- b) Explain SQL DELETE statement with the help of syntax and example.
- c) Explain object based logical model.

Q.3 Attempt **Any TWO** of the following : **(12)**

- a) Explain in detail about the three tier schema architecture of DBMS.
- b) What is a key? Explain different types of keys.
- c) Give one example for the following SQL functions :
i) COUNT () ii) AVG () iii) SUM ()
iv) MIN () v) MAX () vi) EXP ()

Q.4 Attempt **Any THREE** of the following : **(12)**

- a) Explain data abstraction.
- b) Differentiate between file processing system and database management system.
- c) Explain indexed file organization.
- d) List the advantages of SQL.

Q.5 Attempt **Any FOUR** of the following : **(12)**

- a) Define logical and physical files.
- b) Define the followings :
i) Binary relationship ii) Unary relationship iii) Ternary relationship
- c) List different types of database users.
- d) State the limitations of SQL.
- e) Write a short note on Database Administrator.
- f) What are the different data types supported by SQL?

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