BACHELOR OF SCIENCE (COMPUTER SCIENCE) (CBCS - 2018 COURSE)
F.Y.B.Sc.(Computer Science) Sem-I : WINTER :- 2021
SUBJECT: INTRODUCTION TO RDBMS

Day : Monday | Time : 10:00 AM-01:00 PM
Date 17-01-2022 | **W-20066-2021** | 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) Explain create table statement with the help of syntax and one example.
b) Explain Indexed file organization.
c) Explain advantages and disadvantages of relational database management system.

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

a) Draw ER diagram for Airline Reservation system.
b) Explain insert table statement with the help of syntax and one example.
c) Explain union operation in RDBMS with suitable example.

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

a) Explain alter statement in SQL with the help of syntax and one example.
b) What is key? Explain features of primary key and foreign key.
c) Explain network data model with the help of example.

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

a) Write a note on order by clause in SQL.
b) Differentiate between DDL and DML statements.
c) Write a note on data independence.
d) List any four advantages of SQL.

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

a) Differentiate between binary and ternary relationships in RDBMS.
b) What is the use of drop statement in SQL? Give syntax and one example of drop statement.
c) List any three date related SQL functions with one example for each.
d) Write a short note on intersection operation in RDBMS.
e) Define the following terms in RDBMS:
i) Tuple ii) Cardinality iii) Domain
f) Define the following SQL functions:
i) count( ) ii) avg( ) iii) power( )

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