

BE Four Year Sixth Semester (Computer Science and Engineering) Summer 2020 Exam
6KS02 DATABASE SYSTEM
ASSIGNMENT ONLY FOR BACKLOG STUDENTS

Marks : 20

NOTE: 1.Solve any Two Questions.
2.Each Question carries 10 marks.

Question No.1 (10 Marks)

A. Explain main functions of database administrator.	2
B. Name any two fundamental operations in Relational algebra.	1
C. Define the term Normalization.	1
D. Explain the term Query Processing.	2
E. What do you mean by transaction.	2
F. What is Concurrency Control.	2

Question No.2 (10 Marks)

A. Explain any two advantages of DBMS over file processing system.	2
B. What is view.	2
C. Why is it necessary to decompose the relation into several relations.	1
D. Explain Sorting in query processing.	2
E. Explain Shadow copy Scheme.	2
F. Write basic Steps in Query Processing	1

Question No.3 (10 Marks)

A. Define terms Instances and Schemas.	1
B. Describe Union and Intersection of relational algebra.	2
C. What is Assertion.	1
D. Explain Selection Operation in query processing.	2
E. What are the different states of transaction.	2
F. Explain Multiple Granularity.	2

Question No.4 (10 Marks)

A. Define terms DDL and DML.	1
B. What are the Aggregate functions.	2
C. Define the trigger.	1
D. Explain Join Operation in query processing	2
E. Draw Transaction State Diagram.	2
F. What is deadlock handling in DBMS	2