

B V RAJU INSTITUTE OF TECHNOLOGY
(UGC AUTONOMOUS)

B.Tech 2 Year 2 Semester Regular/Supplementary Examinations, Feb 2021

DATABASE MANAGEMENT SYSTEMS
ACADEMIC

Time: 3 Hours

Max Marks: 70

Note: This Question Papers Contains Two Parts A and B

Part A: is compulsory Which Carries 20marks. Answer all Questions in Part A at one place only.

Part B consists of 10 Questions. Answer any five (one full question from each unit). Each question carries 10 marks and may have a, b, c as sub questions.

Part - A

(2 x 10 = 20)

1. a) What are the advantages of DBMS?
- b) What are the advantages of DBMS?
- c) What are the ACID properties in DBMS?
- d) What are the ACID properties in DBMS?
- e) What are indexes? Mention the differences between the clustered and non-clustered index
- f) What are indexes? Mention the differences between the clustered and non-clustered index
- g) What are the differences between DROP, TRUNCATE and DELETE commands?
- h) What are the differences between DROP, TRUNCATE and DELETE commands?
- i) Mention a query to add email validation to your database
- j) Mention a query to add email validation to your database

Part - B

(5 x 10 = 50)

2 What are B+ trees?

OR

3 What are the advantages of DBMS?

4 What are the disadvantages of file processing systems?

OR

5 Define a Relation Schema and a Relation.

6 What is functional Dependency?

OR

7 What is DML (Data Manipulation Language)?

8 What is an Entity type?

OR

9 What do you mean by extension and intension?

10 a) What is a Stored Procedure in DBMS?

b) What is the difference between OLTP and OLAP?

OR

11 a) What is a Phantom deadlock?

b) What is dirty read and unrepeatable read problem in DBMS?
