



AJEENKYA

D Y PATIL UNIVERSITY

End Term Examination (December 2019)

School: School of Engineering

Program: BTECH IT_DS

Course: Database Management System

Course Code: CSC230

Semester: III

Max Marks: 30

Duration (mins):60 Min

Note- 1.Figures to the right indicates full marks

2. Attempt any three questions.

- Q1) A) What is transaction? Explain ACID properties. (5)
B) Who is Database administrator? Explain responsibilities of database administrator. (5)
- Q2) A) Define Data Models. (2)
B) Explain the following terms with at least two commands with its meaning (8)
i.DDL ii.DML iii.DCL iv.TCL
- Q3) A) List Different types of Functional dependency. (2)
B) List different normal forms. (2)
C) When we say that table is in first normal form? Justify your answer with suitable example. (6)
- Q4) A) Differentiate between weak entity set and strong entity set. (any five) (5)
B) Draw any 5 symbols of E-R diagram also writes its meaning. (5)
- Q5) A) Define Deadlock. Give Example. (2)
B) Explain with neat diagram TWO Phase Locking protocol. Also explain different versions of 2 Phase Locking protocol and also write various modes of 2 Phase Locking protocol. (8)

***** ALL THE BEST*****