



AJEENKYA

D Y PATIL UNIVERSITY

End Term Examination (December 2019)

School: School of Engineering

Program: MCA (CT)

Course: Practical Approach to Database Systems

Course Code: CSC505

Semester: I

Max Marks: 50

Duration (mins) : 90 Min

Section A

Q1 Short notes (Any Five)

10 Marks

- 1) Explain database and database management system.
- 2) List various types of database systems.
- 3) Describe ACID properties.
- 4) Define Primary key and Foreign key.
- 5) Explain Relational model.
- 6) Explain Data Definition Language.

Section B

Q2. Answer the following (Any Four)

20 Marks

- 1) Define Data Models. Justify with suitable example.
- 2) Explain Transaction management.
- 3) Describe structure of DBMS.
- 4) Design Client/Server Architecture.
- 5) Draw ER diagram for Hospital Management System.

Section C

Q3. Answer the following (Any Two)

20 Marks

- 1) What is a join in SQL? What are different types of joins? Explain with help of example.**
- 2) Explain entities, attributes and relationship. Describe features of good Database design.**

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