



End Term Examinations (December 2018)

School: School of Information Technology

Program: Bachelor of Technology

Course: Database Management System

Course Code: CSC230

Semester: III

Max Marks: 30

Duration (mins): 60

Note- 1. Figures to the right indicates full marks.

2. Attempt any three questions.

Q1)

- a) Define DBMS. List & explain 3 types of attributes. (5)
- b) Draw and explain E-R Model, also note down all notations (5)

Q2)

- a) Define weak entity set? (2)
- b) Draw and explain the Database architecture diagram. (8)

Q3)

- a) Define functional dependencies (2)
- b) Define 2NF. (2)
- c) Define & explain normalization with it's types. (6)

Q4)

- a) Define and explain database recovery. (5)
- b) Write a short note on Join operations. (5)

Q5)

- a) Explain basic six operations of relational algebra? (5)
- b) Describe transaction processing. (5)