

**Second Mid Semester Examination,
Database Management System (CS/AL-301)**

Branch :CS/AIML Semester: III

Time 1:30 Hrs

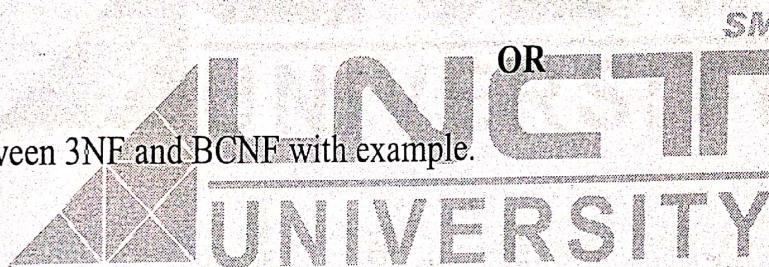
Max. Marks 20

Note: All questions are compulsory

Q.1 Discuss basic concepts of normalization. Explain 1NF and 2NF

Q.1 Difference between 3NF and BCNF with example.

(CO 3 6marks)



Q.2. What is a Transaction? Explain about their states

OR

Q.2 What is serializability? Explain types of types of serializability

(CO 4 6 marks)

Q.3 Justify the need of privilege management in a RDBMS.

OR

Q.3 Define the following terms and give examples

(CO 5 8 marks)

(i) Data dictionary (ii) Joins