



## Name of Dept.: Information Technology

Term: EVEN 2023-2024

### UNIT TEST II

Course Name: Databases Management System

Duration: 1hr

Marks: 20

Course Code: IT23106

Shift : I & II

#### Q.1. Attempt the following (2\*3)

- a) Define Normalization. List it's needs. 06  
(CO4, R)
- b) Define Transaction. Give one example. (CO5, R)
- c) List advantages of Concurrent Transaction. (CO5, R)

#### Q.2. Attempt the following (4\*2)

- a) Differentiate between 3NF and BCNF. 08  
(CO4, A)

OR

- a) Explain in detail 1NF and 2NF (CO4, U)

- b) Explain in detail Transaction (ACID) properties. (CO5, U)

- b) Explain in detail Transaction states. (CO5, U)

#### Q.3. Attempt any Two (3\*2)

- a) Explain in detail Functional dependencies with example. 06  
(CO4, U)
- b) Differentiate between Serial schedule and Concurrent schedule. (CO5, A)
- c) Explain in detail Granting of locks. (CO5, R)

CO	R	U	A	TOTAL
CO4	2	7	4	13
CO5	4	11	3	18
TOTAL	9	8	14	31