

LNCT UNIVERSITY

[Total No. of Questions: 4]

[Total No. of Printed pages: 1]

Enroll No.....

Class Roll No..138.....

First Mid Semester Examination, April 2024

DCES CS-203

Branch :AL Semester:1st

Time 1:30 Hrs

Max. Marks 20

Note: All questions are compulsory.

Q.1 Write the equation using k map. $\Sigma (0, 2, 4, 6, 7, 12, 14)$ & d (8, 10)
(CO 1 5marks)

OR

Q.1 Explain 8x1 Multiplexer with truth table and equations.

Q.2. Explain full Subtractor. (CO1 5marks)

OR

Q.2. Explain Look Ahead carry adder.

Q.3. Explain SR Latch. (CO2 5 marks)

OR

Q.3 Give introduction to Transparent latch & Gated latch.

Q.4. Explain SR Flip Flop. (CO2 5 marks)

OR

Q.4 Explain T Flip Flop