

Digital Electronics [0714-323]

CT# 01; Fall 2026

Student ID:

Name:

Section:

Full Marks: 15

[CO1]

Time: 20 Min

-
1. Convert the decimal number 2421 in 2 4 2 1 code and 8 4 -2 -1 code. (5)
 2. (a) Write the truth table and logic symbols of universal logic gates. (5)
(b) Convert the decimal number 2780.5 to base 8 and 4.
 3. Given, two binary numbers $X=10100$ and $Y=1011$. Subtract $X-Y$ using r's complement. (5)