

National University



of Computer and Emerging Sciences Chiniot -Faisalabad Campus

EE1005 – Digital Logic Design Quiz# 3

| Adeel Tahir Section: SE-2B | Time: 20 Minutes |
|---|--|
| | Total: 20 marks |
| ked as 0 if attempted in a writing that is Cutting will lead to negative marks | |
| wing function, and implement them | (5+5=10 marks) |
| F(A,B,C,D) = A'B'C'D + | , |
| Working: | |
| Circuit Diagram: | |
| | |
| F = | gram: |
| | e of the page if needed. Make sure the ked as 0 if attempted in a writing that is Cutting will lead to negative marks wing function, and implement them $F(A,B,C,D) = A'B'C'D + 1$ Working: Circuit Diagram: ean function $F(w,x,y,z) = \Sigma(4,5,6,13)$. Also draw the circuit diagram. |

Q3: Implement the following function F using <u>2 Input NOR gates</u> only for 1st level and <u>4-Input NOR</u> gate for 2nd level: (4+4=8 marks)