



Aror University of Art, Architecture, Design & Heritage Sukkur

Assignment 02

Date: Feb 23, 2024

Subject: Digital Logic Design (CS103) (Theory)

Mark: 02

Instructor: Abdul Ghafoor

Due Date: March 01, 2024

Question 01: Simplify the following Boolean expression using the Boolean algebra rules: (1 mark)

$$(A + \bar{B} + \bar{C})(A + \bar{B} + C)(A + B + \bar{C})$$

Question 2: Convert the following non-standard SOP into standard SOP and non-standard POS into standard POS. (1)

1. $A + AB + B + C + ABC$
2. $(A + B + C) \cdot (B + C + D) \cdot (A + B + C + D)$

Submission Instructions:

1. Complete all questions using pen and paper.
2. Scan the completed questions on paper and save them as a PDF.
3. Upload the scanned PDF to Google Classroom before the deadline.