Assignment 4

Deadline: Thursday April 29,-2021

* No Assignment will be accepted after the deadline.
* You need to submit the assignment in Hard-form (your own hand-written on paper) over the slate.
* CALCULATOR IS NOT ALLOWED
* Best of Luck.

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Roll No. \_\_\_\_\_\_(on each page)

Question # 1: Read the given examples and do Related Problem

Convert the expression AC+(A+B′C)(AC+B) to standard SOP form and standard POS form.

Question # 2: Construct SOP and POS from a Truth Table and then simplify using Karnaugh map method. Use different color for each group in K-Map.

|  |  |  |  |
| --- | --- | --- | --- |
| A | B | C | F |
| 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 1 |
| 0 | 1 | 0 | 0 |
| 0 | 1 | 1 | 1 |
| 1 | 0 | 0 | 0 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 0 |
| 1 | 1 | 0 | 0 |