**Assignment Week 2 – CE232 – Digital Systems**

**Instructions:**

1. **The students’ answers should be neatly written/typed**
2. **Submit the .pdf file to e-learning with file name: NIM(without zero)\_Name\_assignment1**

1 .Simplify the following SOM expressions using Karnaugh Map Method

* 1. F(A,B,C,D) = Σm(0,1,2,3,6,7,11,12,13)
  2. F(A,B,C,D) = Σm(0,1,2,5,7,8,9,10,13,15)
  3. F(A,B,C,D) = Σm(0,1,2,8,9,12,13) and d(A,B,C,D) = Σm(10,11,14,15)
  4. F(A,B,C,D,E) = Σm(0,2,3,10,11,12,13,16,17,18,19,20,21,26,27)

1. Simplify the following function using Tabular (Quine McCluskey) Method
2. F(A,B,C,D) = Σm (3,7,11,12,13,14,15)
3. F(A,B,C,D,E) = Σm (0,1,2,3,4,9,10,11,12,15,18,19)