Faculty of Engineering

**Department of Electronics and Communication Engineering**

**Tutorial No. - 4**

**Course Name: PDE Tutorial number:4**

**Course Code: ECH202 T Class / Semester: ECE,4th Max. Marks : 10 Time Allowed: 1 week**

**CO1.** Understand and apply the fundamental concepts, techniques and applications of Number Systems and Codes used in digital electronics.

***Blooms Taxonomy Level****: BT3, BT4*

1. Simplify using K-Map f(A,B,C,D,E) = Σ(0,1,2,3,8,12,15,16,17,18,19,22,28,31)
2. Simplify using K-map f(A,B,C,D,E) = Σ(1,2,3,8,9,10,15,16,17,18,22,26,27) + d (0,4,11,19,28,29,30,31)
3. Minimize & implement in SOP f(A,B,C,D) = Σm (1,2,3,6,8,12,14,15)
4. Draw truth tables for the following:
5. Y = A(B + C) + A
6. Y = A + B + AB
7. Y = AB + A(B+C) + A +AC

HOD-ECE Course Co-ordinator