Switching Theory & Logic Design Laboratory CSE Department, IIT Kharagpur Spring Semester 2022-23

Module 1 : Combinational Logic Circuits

Assignment 2:

- (a) Design a circuit to compute **x mod 7**, where **x** is a BCD number as 4-bit input.
- (b) Display the output on a 7-segment display using BCD-to-7-segment decoder driver IC. For example, if x = 1001, "2" will be displayed and if x is not a BCD number, "Blank" (No display) will be displayed.

(1 day)