**METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY**

B.E (CBCS VI SEMISTER) APRIL 2019

Branch: **ECE** **B** Subject: **PDIC**

**ASSIGNMENT 2 QUESTIONS**

1. Explain the operation of Bistable Multividrator.
2. Explain the operation of Mono Multividrator and Derive the expression for Frequency of oscillation
3. Explain the operation of Astable Multividrator and Derive the expression for Frequency of oscillation.
4. Explain the types of triggering methods.
5. Derive UTP & LTP equations for Schmitt trigger circuit.
6. Explain about errors present in Time base generators.
7. Explain the operation of UJT Relaxation Oscillator.
8. Draw the two input TTL NAND gate (standard TTL) and explain its operation.
9. Describe the Emitter Coupled Logic (ECL) with an example (two input OR/NOR gate).
10. Design and Explain NMOS,PMOS AND CMOS Logics with functional table.
11. Design and Explain XOR& XNOR using TG with functional table.