**PDIC ASSIGNMENT-II**

1. Explain two input totem pole NAND gate.

2. Write the advantages and disadvantages of

 (a).Totem pole output configuration.

 (b).open collector output configuration.

3. Explain about the transmission gate and write its applications.

4. Implement the following using transmission gate.

 (a).XOR gate (b).XNOR gate

 (c).2:1 MUX (d).4:1 MUX

5. What is time base generator? Mention the methods to generate time base waveforms.

6. Explain UJT sweep circuits.

7. Explain the Astable Multivibrator and derive the expression for time period.

8. Explain the Monostable Multivibrator and derive the expression for pulse width.

9. Explain the Bistable multivibrator with neat diagram.