**PDIC ASSIGNMENT-1**

1. Write the difference between Linear and Non linear wave shaping circuits.

2. Explain the following.

 (a).Positive peak shunt clipper

 (b).Positive peak series clipper with negative reference.

 (c).Negative peak series clipper.

 (d).negative peak shunt clipper with negative reference.

3. Explain the following

 (a).Positive clamper.

 (b).Positive peak clamper.

4. State and prove clamping circuit theorem.

5. Write the difference between series clipper and shunt clipper.

6. Explain Transistor as a switch.

7. Define time constant of RC circuit.

8. Explain the response of low pass RC circuit to the pulse input.

9. Explain the response of low pass RC circuit to the sinusoidal input.

10. Explain the low pass RC circuit as an integrator.