**ANALOG AND LINEAR ELECTRONIC CIRCUITS-21ECC202T**

**Viva (Unit-3)**

**2023-24 EVEN Marks-5**

1. Explain the concept of positive and negative feedback.
2. Why negative feedback is important?
3. What is the impact on bandwidth of a system with negative feedback?
4. Explain the type of mixing and sampling in a ‘Series Shunt’ amplifier.
5. What will be unit of gain in a ‘Series-Series’ amplifier?
6. Define ‘Trans-resistance amplifier’. Figure out type of mixing and sampling.
7. What is basic concept of an oscillator?
8. Describe the Barkhausen criteria for oscillations.
9. How the RC phase shift network in a RC –phase shift oscillator work?
10. What is Piezoelectric effect? How the vibrations of quartz crystal can be utilized as a time signal generator?