EXPERIMENT NO- 4 (A)

CLIPPER CIRCUIT

AIM OF THE EXPERIMENT:- To observe, trace & measure the effect on the output waveforms of different Clipper circuit.

APPARATUS REQUIRED:-

- 1. Transistor Power supply (TPS)
- 2. Audio signal generator/Function generator
- 3. CRO

COMPONENTS REQUIRED:-

- 1. Diode(IN4007)
- Resistor(1K Ohm)
- DC supply(1.5v)

PROCEDURE:-

Make connection as per the circuit diagram shown. Trace and measure the output voltage using CRO by applying $10V_{p\text{-}p}$ sine wave from Audio generator/ FG as input.

Simple Series Clippers (Ideal Diodes) NEGATIVE POSITIVE Biased Series Clippers (Ideal Diodes) Simple Parallel Clippers (Ideal Diodes) Biased Parallel Clippers (Ideal Diodes)

EXPERIMENT NO- 4 (B)

CLAMPER CIRCUIT

AIM OF THE EXPERIMENT:- To observe, trace & measure the effect on the output waveforms of the different Clamper circuit.

APPARATUS REQUIRED:-

- 1. Transistor Power supply (TPS)
- 2. Audio signal generator/ Function Generator
- 3. CRO

COMPONENTS REQUIRED:-

- 1. Diode(IN4007)
- 2. Capacitor(0.1 microfarad)
- 3. Resistor (100K Ohm)
- 4. DC supply

PROCEDURE:-

Make connection as per the circuit diagram shown. Trace and measure the output voltage using CRO by applying $10V_{p\text{-}p}$ square wave from Audio generator / FG as input.

