Sardar Vallabhbhai National Institute of Technology, Surat
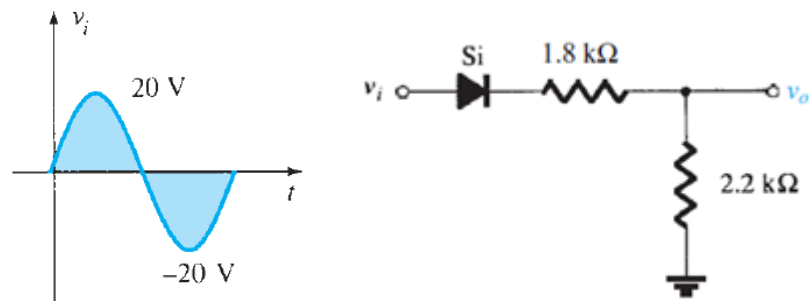
ECED Department
Subject: Digital Electronics and Logic Design (EC-207)
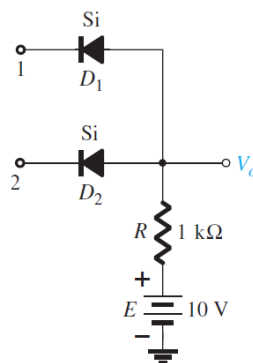**B.Tech Computer Engineering, Sem-III, Div – (A)**

Date: 17-09-2020

Assignment for Practial - 6

1. Determine and plot the output voltage for the given circuit. Also verify the same using Multisim.
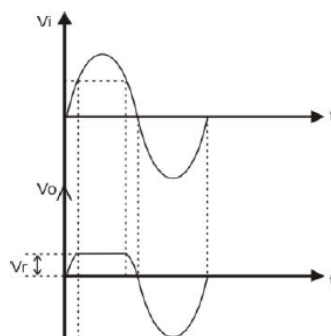
2. Identify the type of Logic Gate implemented by the below diode configuration. Also verify it using multisim.
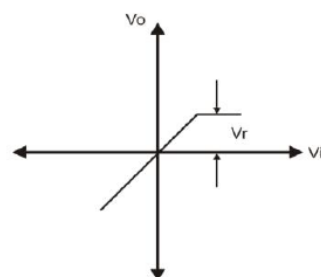
3. Draw the transfer characteristics for all the clipper configurations which are part of your today's practical (Practical – 6).
   Ref. Example

Waveform   Transfer Characteristics

4. Assuming Symmetrical Sine wave input with peak value greater than the reference voltage, predict the output and plot the Transfer Characteristics for the following Clipper Circuits:

A

B