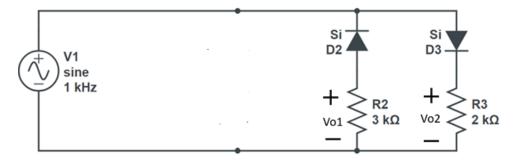
Assignment-1

Full mark-20

Q1. Consider the input voltage for the following circuit is a sine wave with a peak value of 10V.



- (a) Draw the Vo1 and Vo2 profiles from the circuit with proper label values.
- (b) Determine the difference between Vo1, Vo2 and (Vo1+Vo2) voltage graphs.
- (c) Determine the average voltage value of Vo1.
- (d) Determine the peak inverse voltage of D1.
- **Q2**. Design the clipper and clamper circuit to produce the following output voltage (Vo) according to the input voltage (Vi). Assume the diodes to be ideal.

