

## ECE 113: Basic Electronics Makeup Quiz

Duration: 25 Minutes

Date: 8-June-2023

Total Points: 15

**Q1:** In Fig.-1, find the output voltage ( $V_o$ ).

[4 Points]

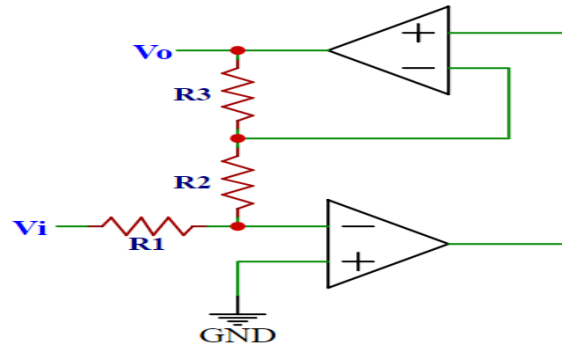


Figure 1

**Q2:** In Fig.-2, If  $V_i(t) = 4\sin(\omega t)$  Volt then draw  $V_o(t)$  & transfer characteristic.

[7 Points]

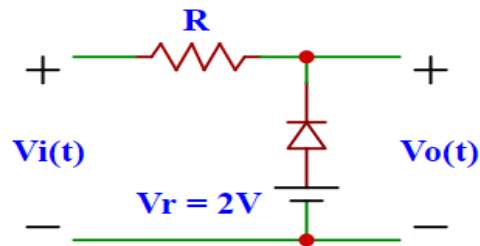


Figure 2

**Q3:** In Fig.-3, obtain equivalent Star connection in between the points A, B & C.

[4 Points]

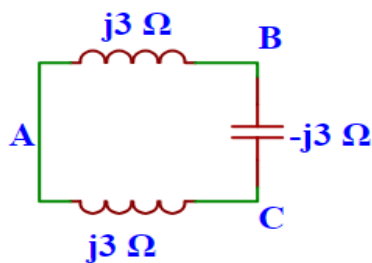


Figure 3