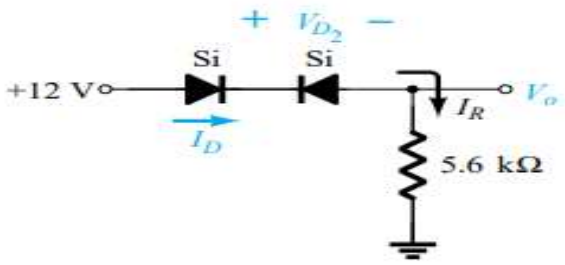
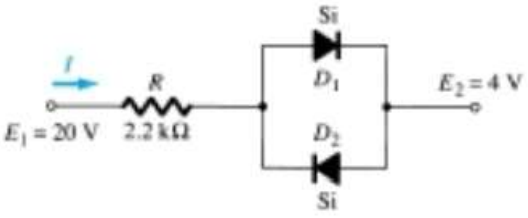
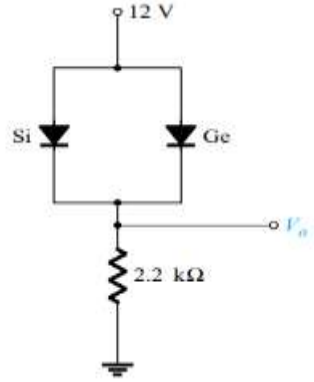
# KIET Group of Institutions, Ghaziabad, U.P.

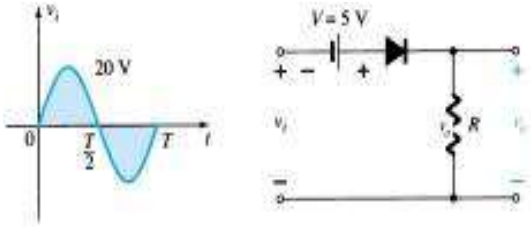
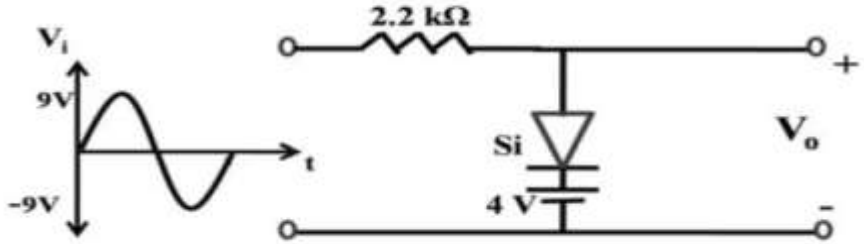
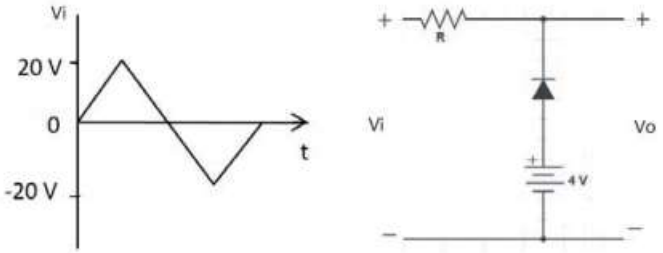
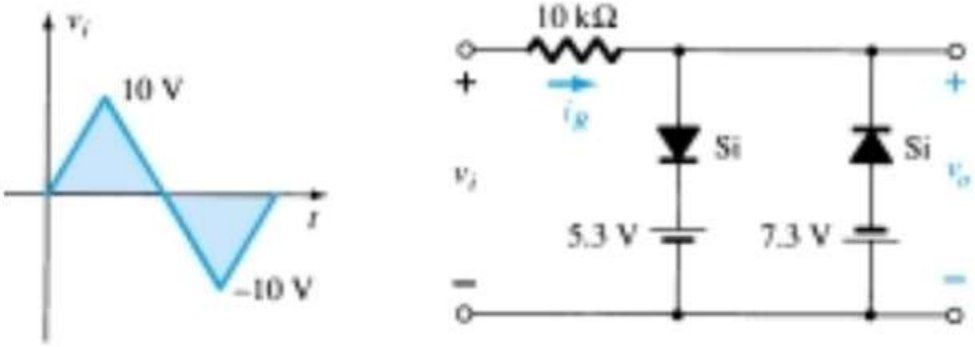
## Department of Applied Science

## Fundamentals of Electronics Engineering (BEC201)

**Assignment 1 (Unit 1)**

**Name of Faculty: Dr. Manish Kumar Singh** **Sem –II**

| S.N. | Questions | BL |
|---|---|---|
| 1 | Draw and explain the diode equivalent model of Si diode, Ge diode and ideal diode. | 3 |
| 2 | Define clipper. Explain different types of clipper. | 2 |
| 3 | Determine $I_D$, $V_{D2}$ , and $V_o$ for the circuit   | 3 |
| 4 | Determine the current I for the network   | 4 |
| 5 | Determine the voltage Vo for the network   | 3 |
| 6 | Determine the output waveform for the circuit of given figure: | 4 |

| | | |
|---|---|---|
| |  | |
| **7** | Determine and draw output voltage for given network.<br>  | **5** |
| **8** | Determine the output waveform for the following circuit<br>  | **5** |
| **9** | Analyse and draw the Output waveform (Vo) of the network given in fig .<br>  | **4** |
| **10** | Define clamper. Explain different types of clamper. | **2** |