Question1:
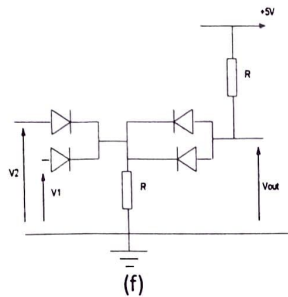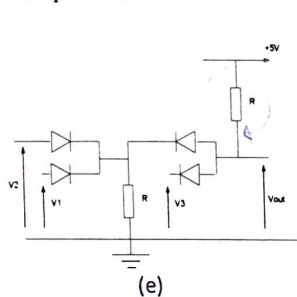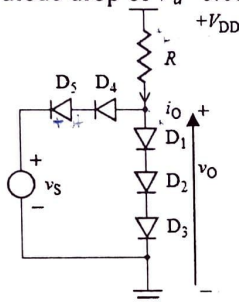
Consider the electronic circuits below and complete for each of them the opposite table; Assume a diode drop of $V_d=0V$.

(e)

(f)

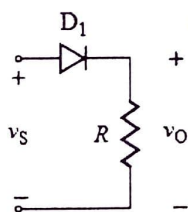| V1	V2	Vout
0V	0V	
0V	5V	
5V	0V	
5V	5V	

Question2:

The circuits below has $V_{DD}= 10V$ and $R=30\ K\Omega$. Determine the output voltage Vo and the current i_O if (a) $Vs = 5V$ and (b) $Vs=12V$. Assume a diode drop of $V_d=0.65V$.
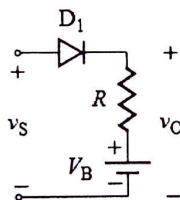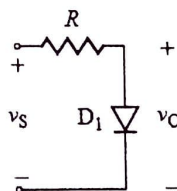

Question3:

Plot the output waveform Vo of each of the following circuits a sinusoidal input voltage; consider that the diode are ideal.
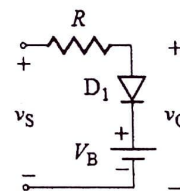

(a)

(b)

(c)

(d)

Question4:

Determine V_{CE}, I_C and β for the following circuit if $Vcc=12V$, $V_{BE}=0.7V$ and $I_p=20I_B$

Good Luck   1/1