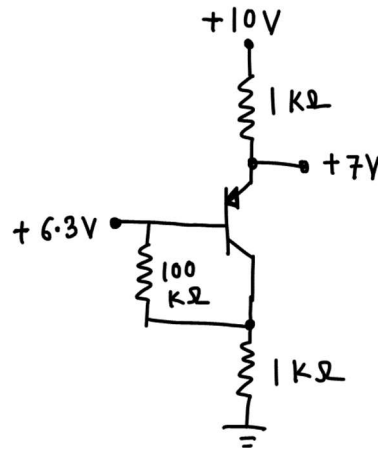


## Basic Electronics (Test – 2, Part - B)

[Please follow the instructions as mentioned in the Part-A of this question paper.]

**Q4.** Find the value of  $\beta$  for the pnp BJT to get the terminal voltages as indicated in the following figure.

[3]



**Q5.** For the following circuit, draw the DC load line and indicate the Q-point in it. Neatly level your plot and indicate the coordinates of 3 important points. Show necessary calculations as well.

[3]

