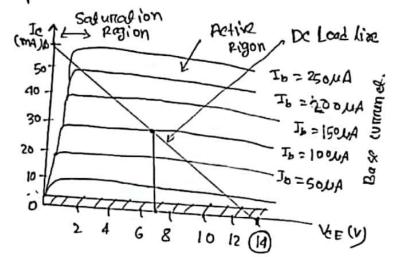
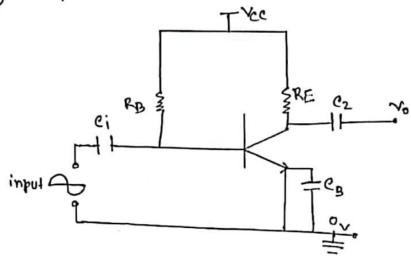
Ans to the 9. no. - 5

Given that,

The output response in the datasheet of the required amplifien;

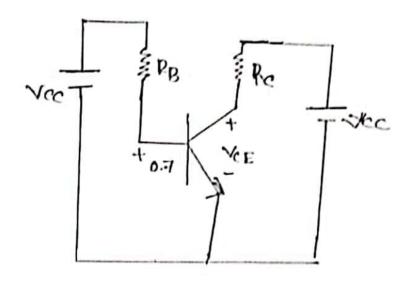


Design Amplifier:





Amplifier equavalent circuit:



$$\therefore -\text{Vec} + \text{TeRe} + \text{VeE} = 0$$

$$\Rightarrow \text{Re} = \frac{\text{Vec} - \text{VeE}}{\text{Te}}$$

$$= \frac{14 - 7}{30 \times 10^{3}}$$

