


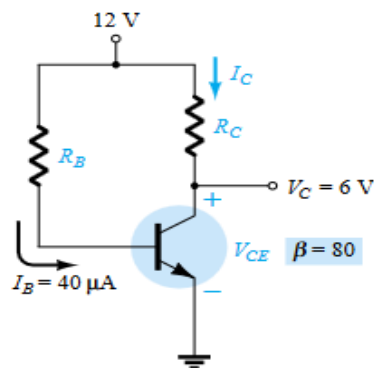
El-Manzala Higher Institute for Engineering and Technology		
First Semester :2023/2024	Code: : COM 121	
Course title: Electronic Engineering	Dr. Basma Yusef	
Sheet (1)	Eng. Madleen Mohamed	

Question (1):

Given the information appearing in Fig determine:

I_C , R_C , R_B , V_{CE} , A_v , A_i , Z_i , Z_o

Draw AC equivalent circuit

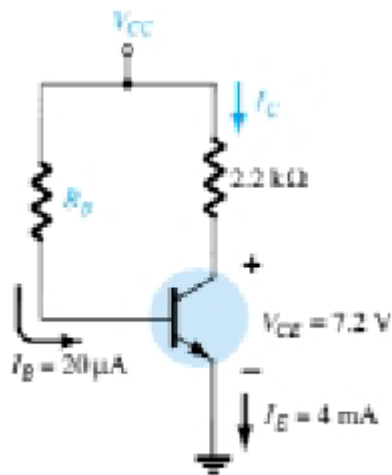


Question (2):

Given the information appearing in Fig determine:

I_C , V_{CC} , β , R_B , A_v , A_i , Z_i , Z_o

Draw AC equivalent circuit

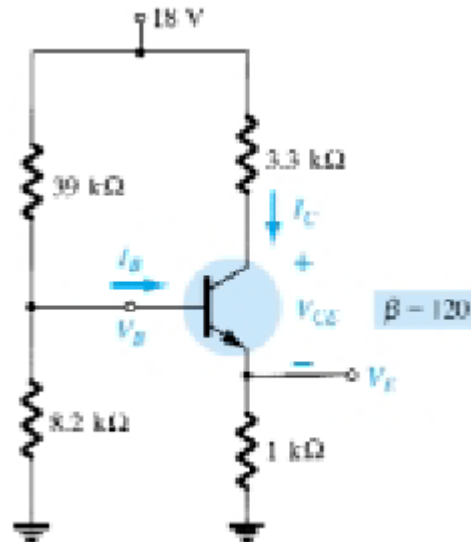


Question (3):

Given the information appearing in Fig determine:

I_C , V_{CE} , I_B , V_E , V_B

Draw AC equivalent circuit



Question (4):

Given the information appearing in Fig determine:

I_C , V_E , V_{CC} , V_{CE} , V_B , R_1

Draw AC equivalent circuit

