

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
 TEST -1 EXAMINATIONS-2022
 B.Tech-III Semester (ECE/ECM)

COURSE CODE (CREDITS): 18B11EC313 (3)

MAX. MARKS: 15

COURSE NAME: Electronic Devices and Circuits

COURSE INSTRUCTOR: Munish Sood

MAX. TIME: 1 Hour

Note: All questions are compulsory. Marks are indicated against each question in square brackets.

Q1. Determine I , V_1 , V_2 and V_O for the network of Fig. (1)

[3] CO1

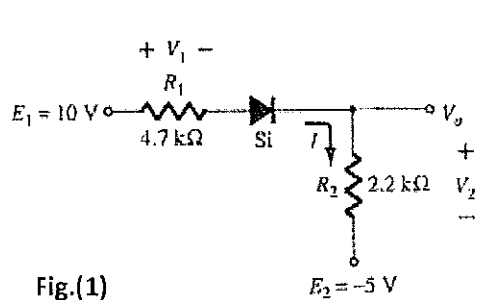


Fig.(1)

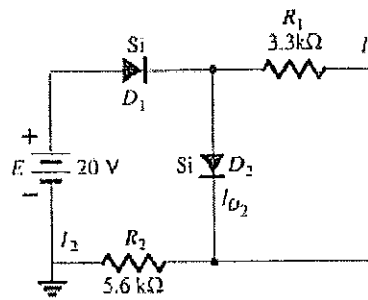


Fig.(2)

Q2) Determine the currents I_1 , I_2 and I_{D2} for the network of Fig. (2)

[3] CO1

Q3) Determine V_O for the network of Fig.(3).

[3] CO1

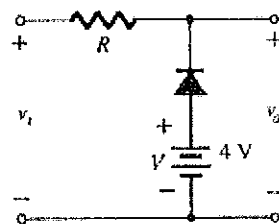
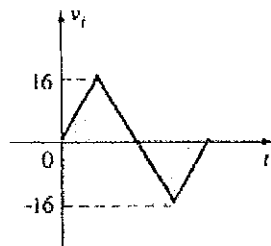


Fig.(3)

Q4) For the Zener diode network of Fig.(4) determine V_L , V_R , I_Z and P_Z .

[3] CO1

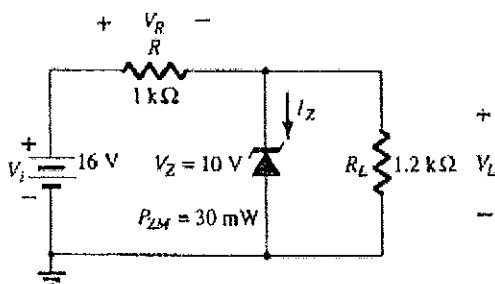


Fig.(4)

Q5) Given the information provided in Fig.(5) determine I_C , V_E , V_B and R_1 .

[3] CO2

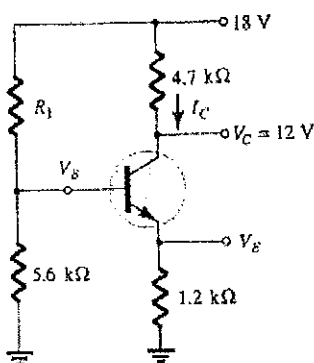


Fig.(5)