

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
 TEST -II EXAMINATION- OCT
 2019
 B.Tech III Semester (ECE)

COURSE CODE: 18B11EC313

MAX. MARKS: 25

COURSE NAME: Electronic Devices and Circuits

MAX. TIME: 1Hr 30min

COURSE CREDITS: 4

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.

Q1) For the cascode configuration of Fig.1 Calculate no load voltage gain A_{vNL} . (5)

CO-2 & CO-3

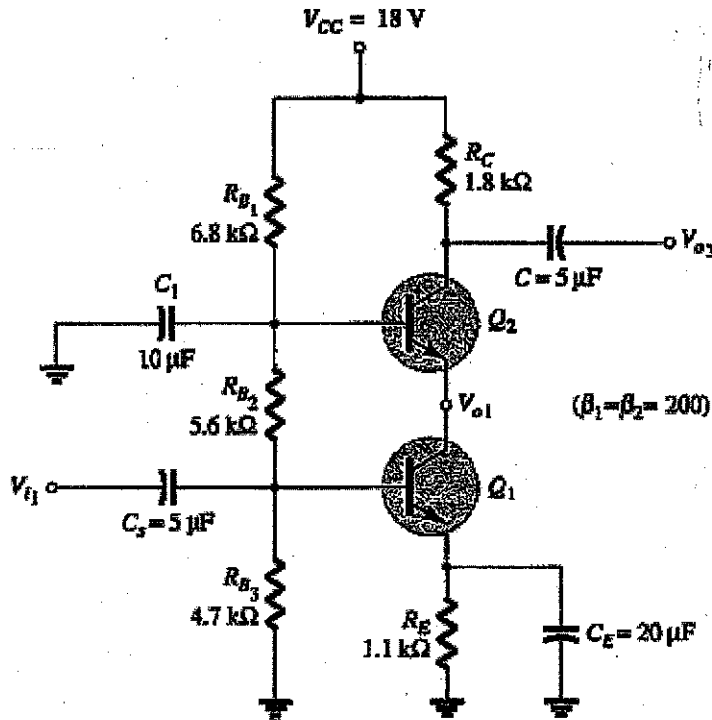


Fig.1

Q2) For the emitter follower configuration of Fig.2 draw the r parameter model and find out Z_i, Z_o, A_{vNL} . (5)

CO - 3

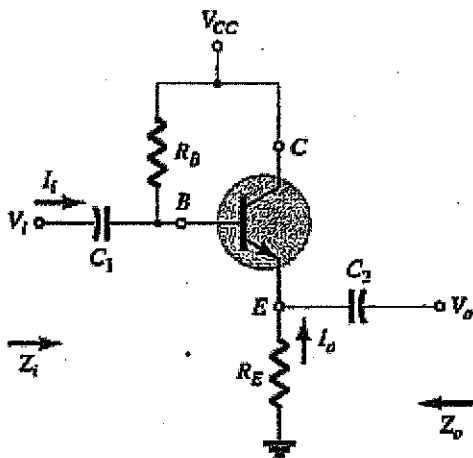


Fig.2

Q3) For the network of Fig.3, determine r_o , Z_i , Z_o , A_{vNL} . (5)

CO-2 & CO-3

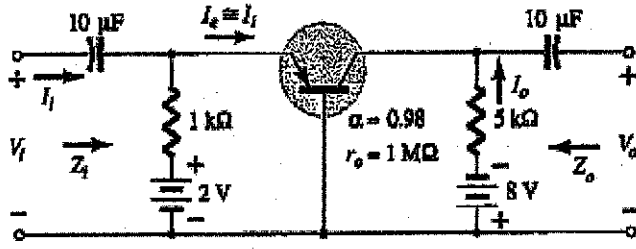


Fig.3

Q4) For the network of Fig.4, determine r_o , Z_i , Z_o , A_{vNL} . (5)

CO-2 & CO-3

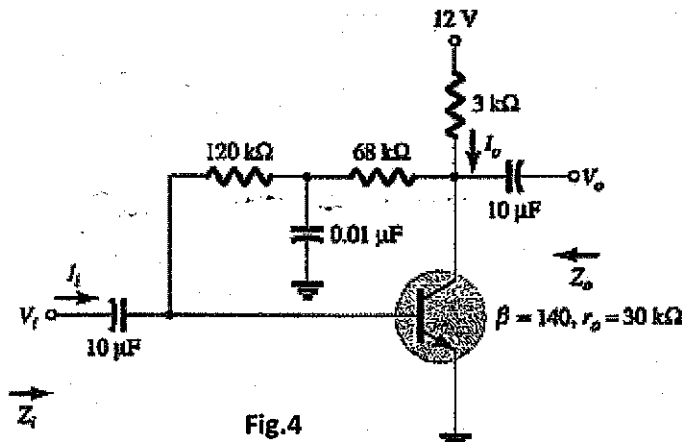


Fig.4

Q5) For the network of Fig.5, determine Z_i , Z_o , A_{vNL} . (5)

(5)

CO-3

