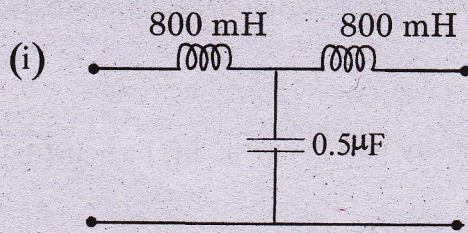
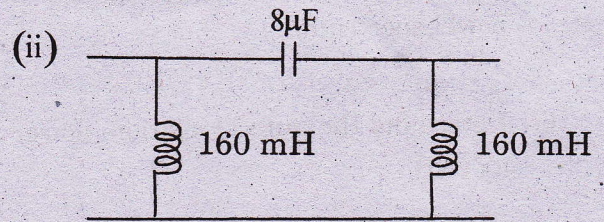


20. (a) Determine the nominal characteristic impedance and the cut-off frequency for the filter shown in the following :



and



(6 marks)

- (b) Design and draw a constant-K high pass filter having cut-off frequency  $f_c = 10 \text{ kHz}$  and nominal characteristic impedance  $R_0 = 600 \Omega$ .

(6 marks)

[5  $\times$  12 = 60 marks]