Question 1

Find the Hilbert transform of the bandpass signal with the spectrum shown in Fig. 1.
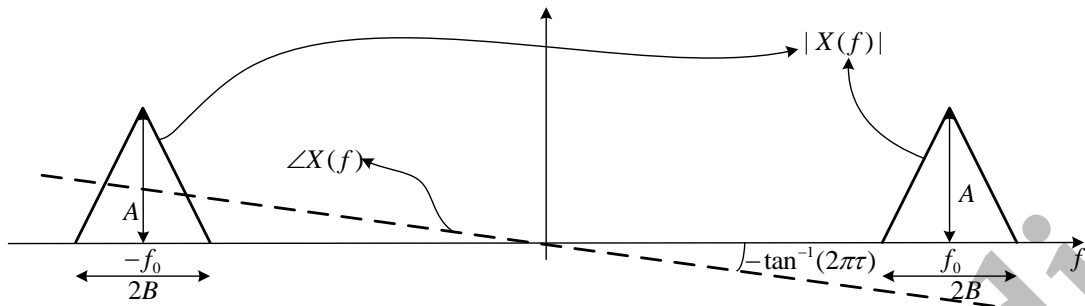

Figure 1: Spectrum of a bandpass signal.

Question 2

Find the time-domain lowpass equivalent of the bandpass signal with the spectrum shown in Fig. 1.