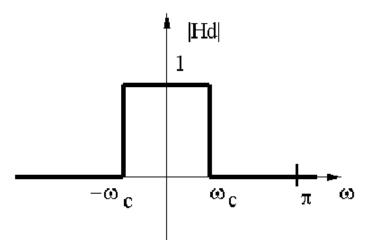
Q1_ WHAT IS THE FILTERING

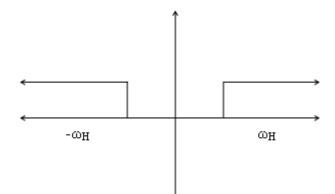
Filtering is the process by which the relative amplitudes of the frequency components in a signal are changed or perhaps some frequency components are suppressed.

Q2_ WHAT IS MOST COMMON TYPES OF IDEA FREQUENCIES-SELECTIVE FILTERING

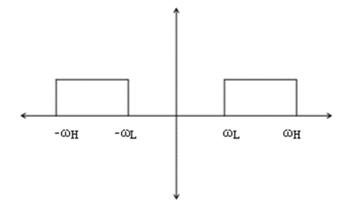




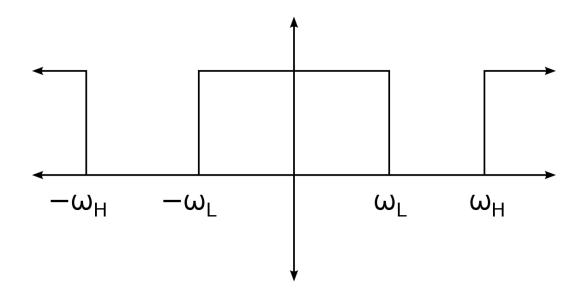
2 Ideal High-Pass Filter



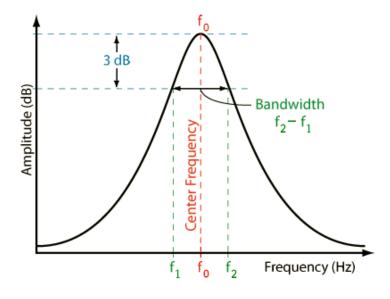
3 Ideal Band pass Filter



4 Ideal Band stop filter



Q3_ DRAW EXAMPEL FOR FILTER BANDWIDTH



Q4_ WHAT IS THE SIGNAL BANDEIDTH

The bandwidth of a signal can be definded as the range of positive frequencies in which most of the energy or power lies.