SECTION - 2

4) • For FIR Low Pass Filter, from plot of impulse response, x axis varies till almost 135. So, number of MAD's required for FIR Low Pass Filter = 135

• For FIR Band Pass Filter, from plot of impulse response, x axis varies till almost 138. So, number of MAD's required for FIR Band Pass Filter = 138

• For FIR High Pass Filter, from plot of impulse response, x axis varies till almost 135. So, number of MAD's required for FIR High Pass Filter = 135

• For IIR Band Pass Filter, we can see that the values of the numerator and denominator variables bwbpdz and bwbpnz vary to 1 X 65 double. Thus M = 65. So,
Number of MADS = $2m+1 = 2(65)+1 = 131$

• For IIR High Pass Filter, we can see that the values of the numerator and denominator variables bwhpdz and bwhpnz vary to 1 X 20 double. Thus M = 20. So,
Number of MADS = $2m+1 = 2(20)+1 = 41$

• For IIR Low Pass Filter, we can see that the values of the numerator and denominator variables bwlpdz and bwlpnz vary to 1 X 27 double. Thus M = 27. So,
Number of MADS = $2m+1 = 2(27)+1 = 55$