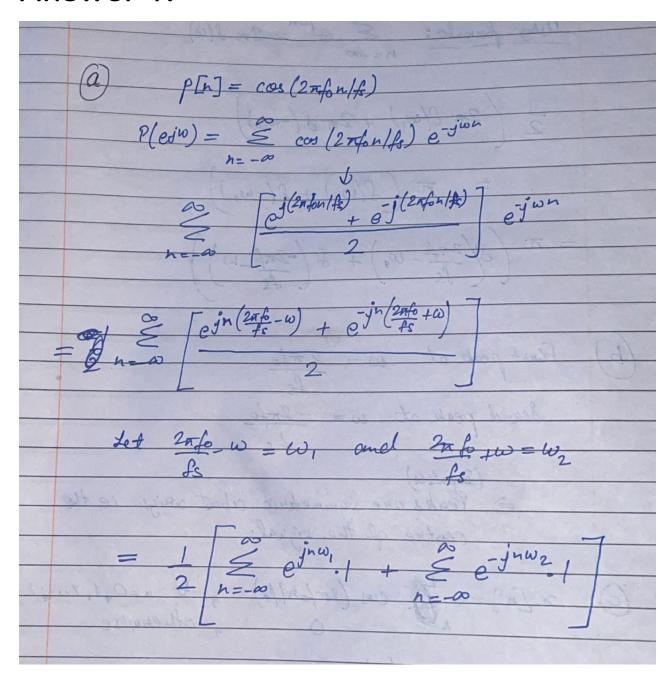
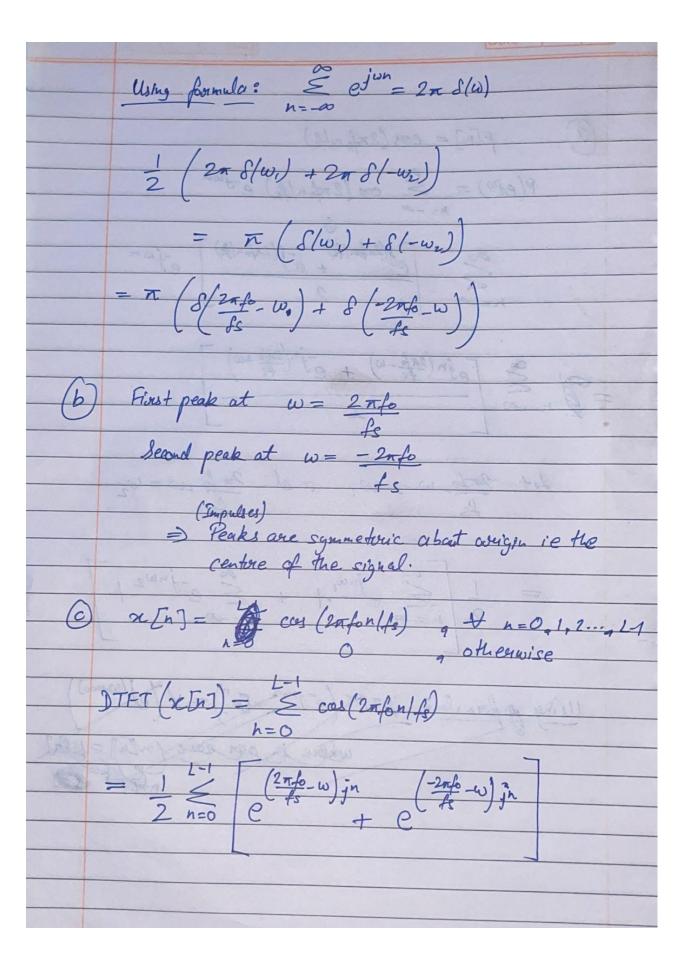
Lab Report – 5

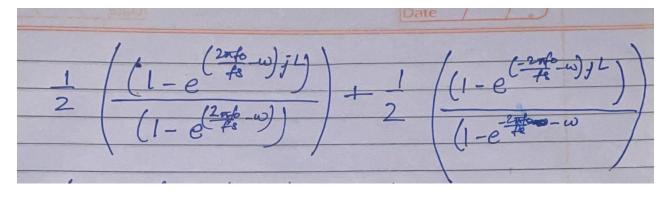
Krishna

2021112005

Answer 1:







(d)

Yes, the plots are consistent. They are symmetric about the center of the signal.

(e)

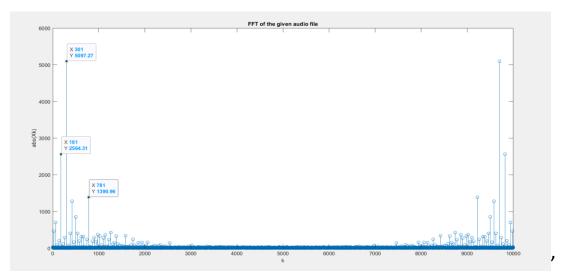
The signal is a sum of two impulses. When L value is smaller, the impulse is wider and less distinct. As L value increases the impulse becomes sharper and more distinct.

(g)

The values of signal increases in a gaussian like way. It means that the values in the middle get amplified.

(i)

3 Strongest frequencies are corresponding to the following k values:



Answer 2:

The method of using in-built function and convolution using DFT and IDFT, both yield the same result.

