Q1. Design a FIR filter using Hamming and Hanning window in MATLAB.

Q2. Find the circular convolution using DFT and IDFT in MATLAB/Octave and verify results using inbuilt commands.

Q3. Compare analog and digital filters.

Q4. Find the DFT of x(n)= [1,2,3,4]

Q5. Find the linear convolution using DFT and IDFT

x1(n)=[1,2] and x2(n)= [2,4]

Q6. Find 4 Point DIT FFT x(n)= [1,2,3,4].

Q7. Find 4 Point DIF FFT x(n)= [1,2,3,4].

Q8. Find 8 Point DIF FFT x(n)= [1,2,0,0,1,2,0,0].

Q9. Find 8 Point DIT FFT x(n)= [1,2,0,0,1,2,0,0].

Q10. Find DIT IFFT of X(k)= [1, 2, 1, 8].