

Department of Computer Science and Engineering
Shahjalal University of Science and Technology
3rd Year 1st Semester Final Exam - 2020
Session : 2017-18

CSE 326 (Digital Signal Processing Lab)
Final Assignment

1. Generate and plot the elementary signals (unit impulse, unit step, ramp and exponential) .
2. Compute linear convolution of two signals. Compare the result with the output of the Matlab/Python library function.
3. Compute and plot Discrete Fourier Transform (DFT) of a signal using DFT equation.
4. Compute the inverse DFT of the signal obtained in (4).
5. Implement a function that takes a sound wave and reduces the noise in it. You may use any technique, maybe think of something yourself.