ECE250: Signals and Systems

Quiz 8 (15/11/2022)
Max. Marks: 10

Note: Please Provide proper mathematical justifications with your answers. No marks will be awarded without a valid justification.

1. (CO4) (10 marks) Compute the Discrete time Fourier transform of the following discrete time signals:

   (a) $\left(\frac{1}{2}\right)^{n-1} u[n-1]$ (5 marks)

   (b) $\left(\frac{1}{2}\right)^{|n-1|}$ (5 marks)