



ISRA UNIVERSITY

Islamabad Campus

Department of Electrical Engineering

Program: B.E. (Electrical)

Semester – Spring 2016

EL-322 Digital Signal Processing

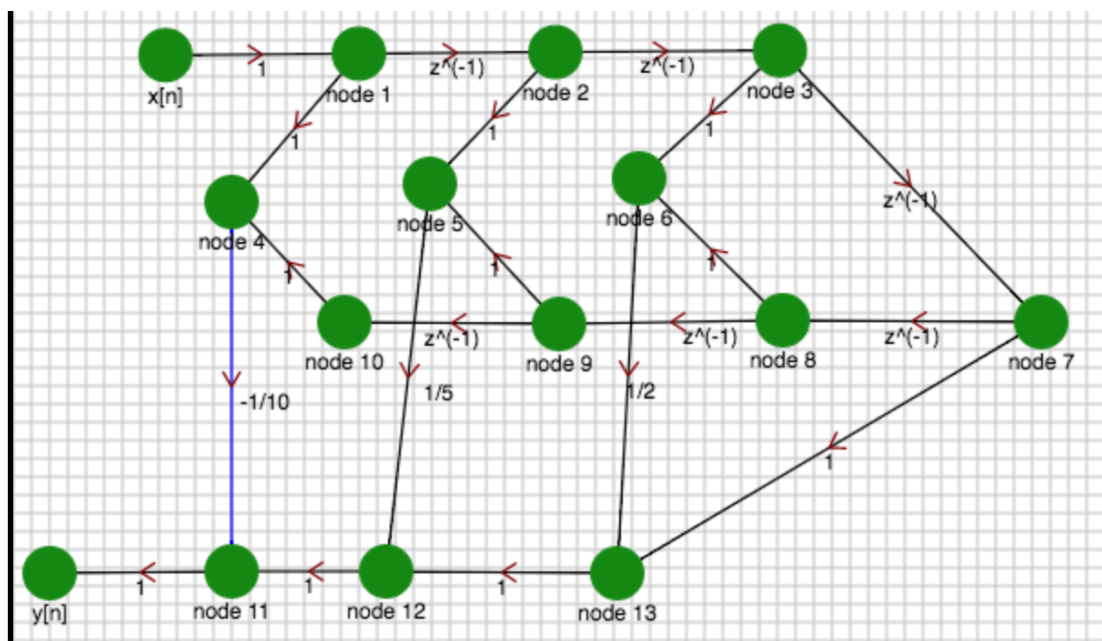
Quiz – 4

Marks: 10

Handout Date: 18/05/2016

Question # 1:

Find the frequency response of the system defined by the network:



Question # 2:

Consider the Linear shift invariant filter with system function:

$$H(z) = \frac{1 + 0.875z^{-1}}{(1 + 0.2z^{-1} + 0.9z^{-2})(1 - 0.7z^{-1})}$$

Draw a signal flow graph for this system using Direct Form I.