ISRA UNIVERSITY

Islamabad Campus

Department of Electrical Engineering
Program: B.E. (Electrical)
Semester – Spring 2016

EL-322 Digital Signal Processing

Quiz – 2
Marks: 10   **Handout Date: 06/04/2016**

Question # 1:

Find the DTFT of the following sequence:

$$cos(\omega_0 n)u(n)$$

Question # 2:

Solve the following LCCDE for y(n) assuming zero initial conditions:
$$y[n] - 0.25y[n-1] = x[n] - x[n-2]$$
For $x[n] = \delta[n]$.