



ISRA UNIVERSITY

Islamabad Campus

Department of Electrical Engineering

Program: B.E. (Electrical)

Semester - Fall 2016

EL313- Signal & Systems

Assignment – Repeat

Marks: 10

Due Date: 07/12/2016

Handout Date: 05/12/2016

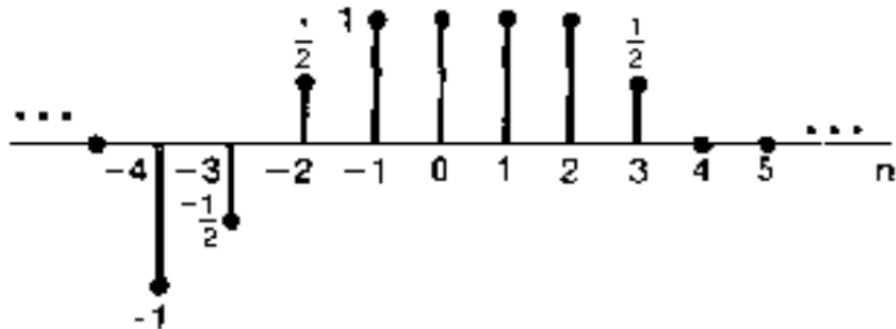
Question # 1:

Determine the fundamental period of the signal: $x[n] = 1 + e^{\frac{j4\pi n}{7}} - e^{\frac{j2\pi n}{5}}$

Question # 2:

A continuous-time signal $x(t)$ is shown in figure below. Sketch and label each of the following signals:

1. $x[n - 4]$
2. $x[3n + 1]$
3. $x[3n]$



Good Luck