



**ISRA UNIVERSITY**

Islamabad Campus

**Program: MSc & BSC (Electrical)  
Semester – Fall 2018**

**Signal & Systems**

**Quiz – 1(a)**

**Marks: 10**

**Handout Date: 29/11/2018**

**Question # 1:**

Determine whether or not the following signal is periodic. If a signal is periodic, specify its fundamental period:

$$x(t) = 2 \cos(10t + 1)$$

**Question # 2:**

Determine whether the signals are power or energy signals. Calculate energy and power of the following signal:

$$x[n] = u[n]$$

**Good Luck**