**Quiz 01**

**Discipline: BS Electrical Instructor: M. Junaid Arshad**

**Course Title: Digital Signal Processing**  **Semester: 6th Semester**

**Batch: 12**

**Total Marks: 10 Time Allowed: 20 Minutes**

**Roll no. & Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Provide answers to all of these questions.

Exchange of stationery is strongly prohibited.

**Define Sinc function with the help of diagram. (CLO 01)**

**Define cross-correlation and write its expression. (CLO 01)**

**Define inevitability with the help of an example. (CLO 01)**

**Write Parseval’s Theorem and write its expression. (CLO 01)**

**Why circular convolution is used? Write expression for circular convolution. (CLO 01)**

**Good Luck**