***Mid***

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

**Course Title: Digital Signal Processing**  **Semester: 4th Semester**

**Batch: 13**

**Total Marks: 10 Time Allowed: 40 Minutes**

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

**Question no.1: What is circular and linear convolution? (CLO-2)**

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**Question no.2: What are the classification of signals? (CLO-2)**

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**Question no.3: solve following equation, when . (CLO-3)**

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**Question no.4: Solve and prove that Parseval’s theorem is satisfy on. (CLO-3)**

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**Question no.5: Write down equation of linearity, frequency shifting and differentiation in Fourier transform. (CLO-1)**

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Good Luck 👍

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