**QUIZ 1**

**Communication System :**

**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Question 1 Choose the Best Answer**

The \_\_\_\_\_\_ originates a message , such as human voice , telephone picture

1. Source b) transmitter c) Information d) medium

Human data is converted into electrical wave form by \_\_\_\_\_\_

1. Electrical Transducer b) Multiplexer c) Modulator d) Quantizer

For efficient transmission the radiation antenna should an order of \_\_\_\_\_\_\_or more of the wavelength of signal radiated

1. One Tenth b) Double c) Equal d) one sixth

**Question 2** Draw General Block Diagram of Communication model and explain it

**Question** 3 Provide Formulas and the units associated with them

**SNR,Shannon Equation ,Average Power , Condition for periodic Signal, Correlation of signals**

**Question 4 :** For the Following Signal g(t) Sketch , g(-t),g(t+6),g(3t),g(6-t).

Find the Correlation Between the following two signals , with given signal x(t)