Anything that carries information can be called a It constitutes an important part in our

A signal is defined as a single-valued function of one or more independent variables, which contain some information.

Any physical quantity that varies with time, space one any other independent variable is signal.

Signal is a function of time.

Human Speech, Electric volTage, curvant, etc.

· If a signal depends on one independent a one-dimensional 8/9 it is called is called 2D 8/9.

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In our course, we will concentrate mainly on 1-D 3/9.

of you are having a s/g 'f', then we denote it as, f(t)

rame of the s/g _____ time, t.

MB: Noise is also a 8/9 but it carries unevanted information.

SYSTEM:-

A lystem is any physical set of components one a function of serveral devices that takes a signal in input & produces a signal as output.

Suppose you are having a signal & you want to square the s/g, or multiply the s/g on drag the s/g on compress the s/g — any operation you want to do to the s/g, that can be possible by this system.

Excitation

Response

System - 30/8/0/83

(4)

Ex:- Communication System.