

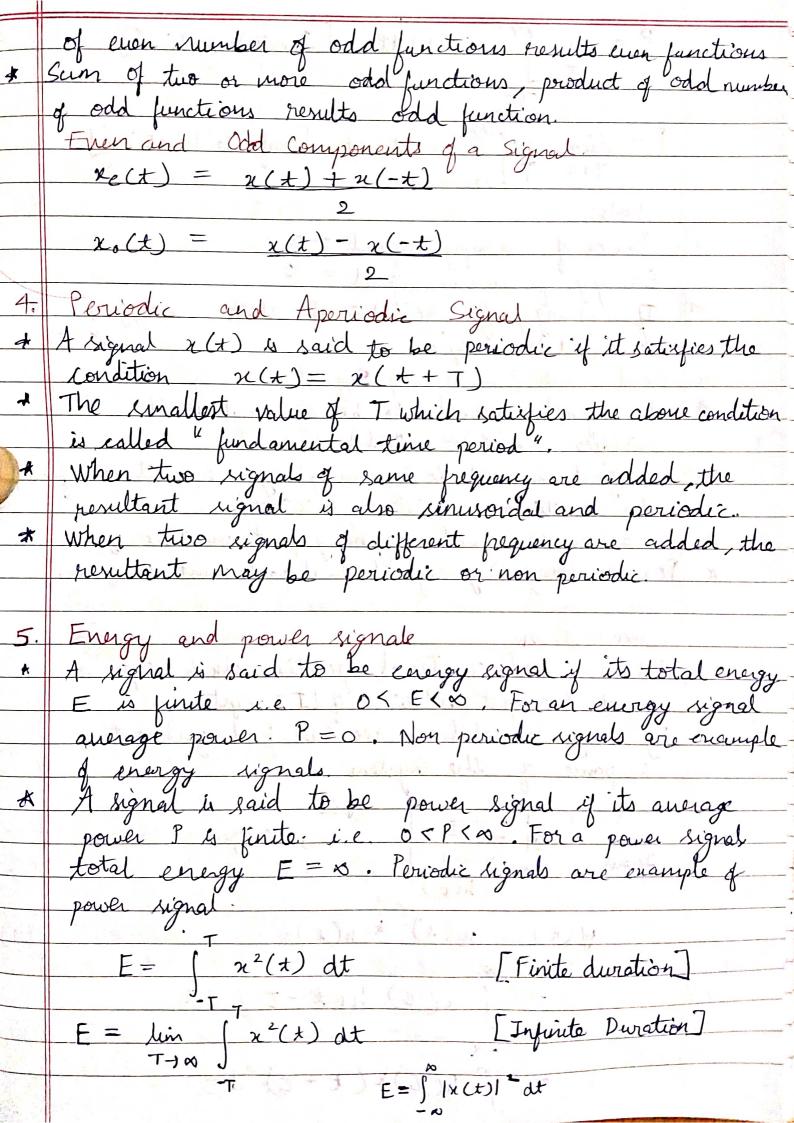
A signal which is defined only at discrete intowals of time is called discrete signal * For discrete time signals, time is discrete amplitude is continuous. * For digital signal both amplitude 4 time are discrete 2. Deterministic and Non Deterministic (Random) Synds

* A signal & said to be deterministic if there
is no uncertainty with respect to its value at any
instant of time. A non deterministic signal is one which has uncertainty at any particular instant of time Deterministic 3. Even and Odd Signals A signal is said to be even when it satisfies the condition x(t) = x(-t)eg. cost t^2 t^4 etc.

* A signal is said to be odd when it satisfies

the condition n(-t) = -n(t)eg. Sint, t, t3, t5, etc.

Note: * Sam of two ore more even functions, product



Finite Duration $\int_{0}^{\pi/2} \chi^{2}(t) dt$ -1/2 [Infinite Proation] T/2 Note: E then energy Imaginary Signal signal is said said to be imaginary when it entisfies in $x(t) = -x^{+}(t)$ For a real signal imaginary part must be zero