of neuron is composed of neucleus a cell body Klas (Soma) Attached to some are long filament Ud Dendrites: moyh dendrites. ) Other link attached to some are From ANN BNN are 8000 in processing Neural NIO are fastest! Pufo. in processing Information 2. can perform maggively garallel operations. lhey operate on Dequention mode : e. one 2. instruction after other. 3. They exibit fault tolerant ANN are not fault tolerant, since, comptet enfo cannot be retrived from memory. in congeation Through he 4. There is no control Cont mechanism. there is control unit which monitors

are me activities of

## AND

1. Eyropses. - A set of syropses or connected link, each of which is characterized by a weight -

A signal x; at the input of synapses

(1) connected to new (2) is multiplexed by

Synapse with (ix) ( zox; x z;),

(1) enput end of

neutron synapse

70=±1 fixed ilp

21 -> (Jki)

22 -> (Jki)

22 -> (Jki)

23 -> (Jki)

24 -> (Jki)

25 -> (Jki)

26 -> (Jki)

27 -> (Jki)

28 -> (Jki)

29 -> (Jki)

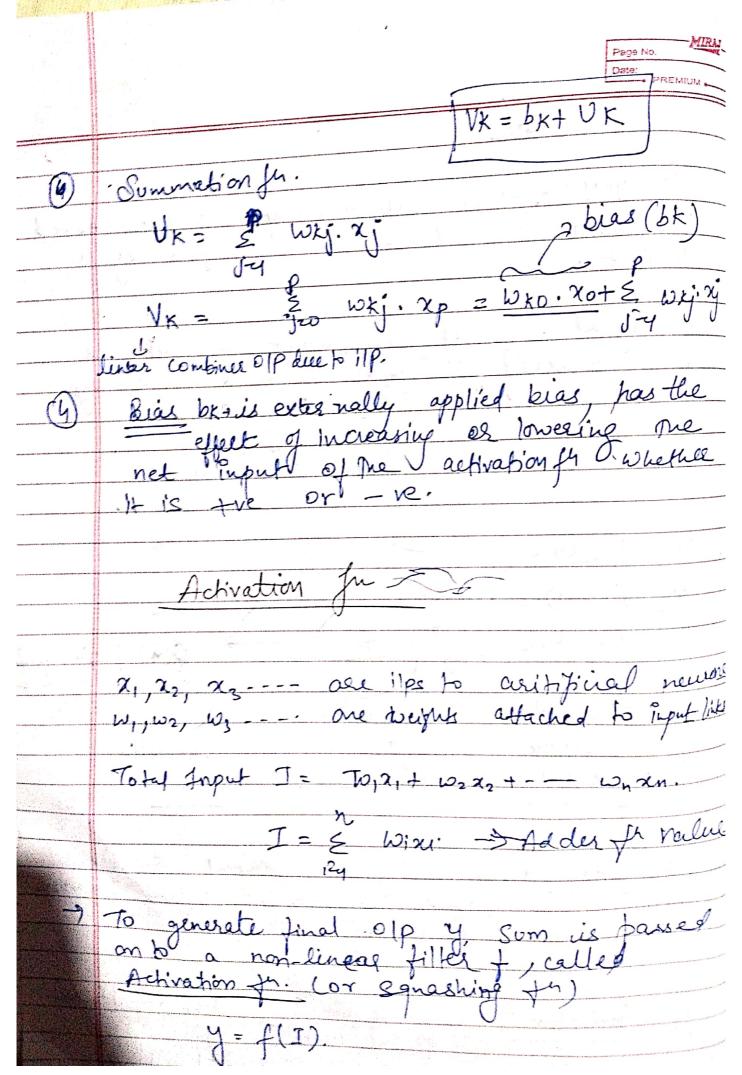
20 -> (Jki)

2

(2) Holes - Summing me Pupul Signals
weighted by me respective Synapse
of neurons.

3 Activation for For Cinulting the amplitude
of the newrons.

Range = 50, 1) Or [-1, 1]



Common Activation for is cld as thresholding

The Sum is compared with Threeholding AD the value . D. It off to I is greater Than D, the Off to I, otherwise gos O.

y= f (I-8)

For newsons in me same layer same activation on is used.

Suppose I=0.9 Q=0 0.970 -> Men 0/p. I -0.1<0 -> Otherwise 0