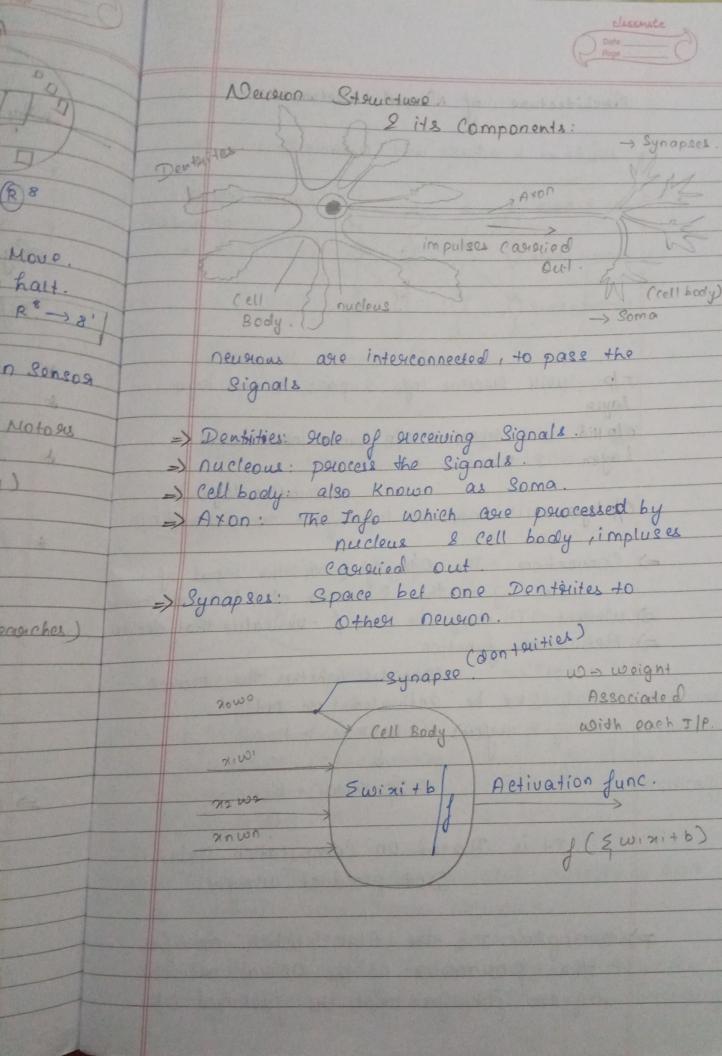
Asitificial Deusial Delwoods Why necoral network? 10" neusion. 10 3 => Switching time. pattention to contain tasks. System Contains: processing units 2 Memory Diff bet humans 2 System. \* 10 perocessing units. \* 10" newrons.
\* 10-13 sec - Switching N 10" 100 -> Does Quoitehing time time. in foraction of see. It works Continuously & powallel. \* It woolks in Serial \* System Cannot leasen.
(By Data sets) \* Luman can leavin leasin by teraining Samples. Luman Contains newsons AIt Contains poor perocessing units & MeMORY. -> Chan: Self Daganization -> characteristics that

2 learning capability. generialization.

must be adopted forom human.

\* classical way: \* way of leasing: \* It works similar but functions Differs. & notions & Whonever it Sense. of GH= 0 = Move it pass the Signal diphot H= 1 -> half to Motosi func:

The Based on Series Lence, the value get chanced from perevious value. Eg: Robert with a Motors Now the mapping & & Sensose & funes becomes. (classical way) 1 = 28-1R2 H= 1 => falt. History of neural n/wis: ( Show the Gereaucher \* The beginning 1943-1950 & Golden age 1951 - 1969 Slow seconstauction 1972-1983 & Renaissance 1985, 1986, till time

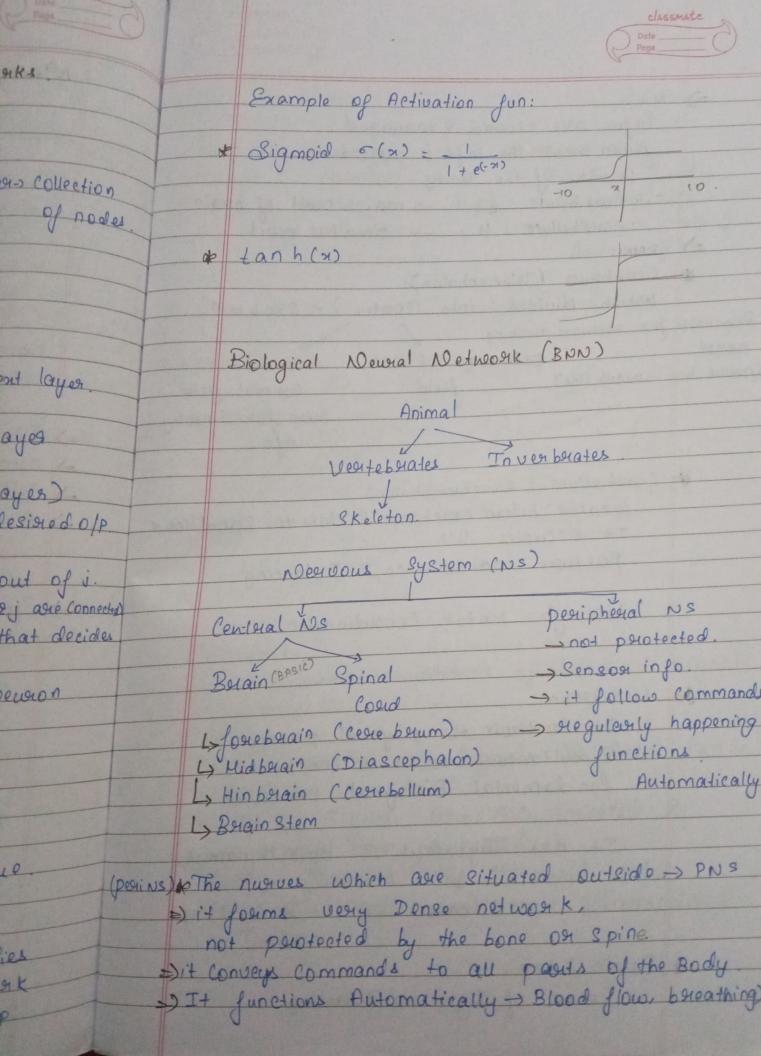


Asichitecture of Newsal Netwoodka Node - is a Basic unit Connected HIDDEN LAYER O Layens Collection of node I/P: will deceive info 2 pass to next layor Layer 2 parocess it. Ofplayer will map the input fune to desimately Connection: The Old of j in the input of in the successor of i (is j our land)

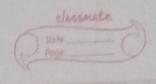
Designate it may be the formula that decide

Activation function: Sha be activated on not f(x) = w.x >1 & xiwi + b. It is Based on Computation value

Dot product. Weight. the parameter of the neural network in order for go input to favoured of



~	CNS:
=)	infos age stoged 2 managed.  infos age stoged 2 managed to all
	from briain the info is passed to all
	pasts of the Body.  Pasts of the Body.  Past of brain
	Core bellum II: -> Smallert paint.
	Core bellum 11.1> smaacs prost.
=)	
No	Cenebrum (Telenephalon)  Cenebrum (Telenephalon)  Courten ) -> 2+04 mm.
-	which divided into (courters) -> 2+04 mm.
Donneible	for abstract thinking toutical Association
Choque bo	on - middle line) field. Costical field.
4101	on -> middle line) I sensory info.
	1,40.
- *	Conebellum (Rhombenciphalon)
	bearing below certification
	It Occupies 11.1.  Relancing
	posture maintainance & Balancing.
	11. 1 109 Consideration.
	Main fr: Moto9 Coosidination.
	tual horoin's
	Hid Brain:  It Conterols the physical process
	Simultaneous work is controlled.
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	Jun Garnana State
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	alterness Body temp.
	2
et	Buain Stem:
	-> Songer of Signt -> Balancing.



Cosio brum.

contical. Contical field.

auditory — abstract association.

contex eq: Decision making

lisual contex. Reasoning.

23/8/22 Deugeon:

September of Passure &

Schwar Cett

Schwar Cett

Sheath.

Denduite information interms of electrical signals

Soma

To perocess the signals electived from dendrites.

all the signals are a cummitated 2

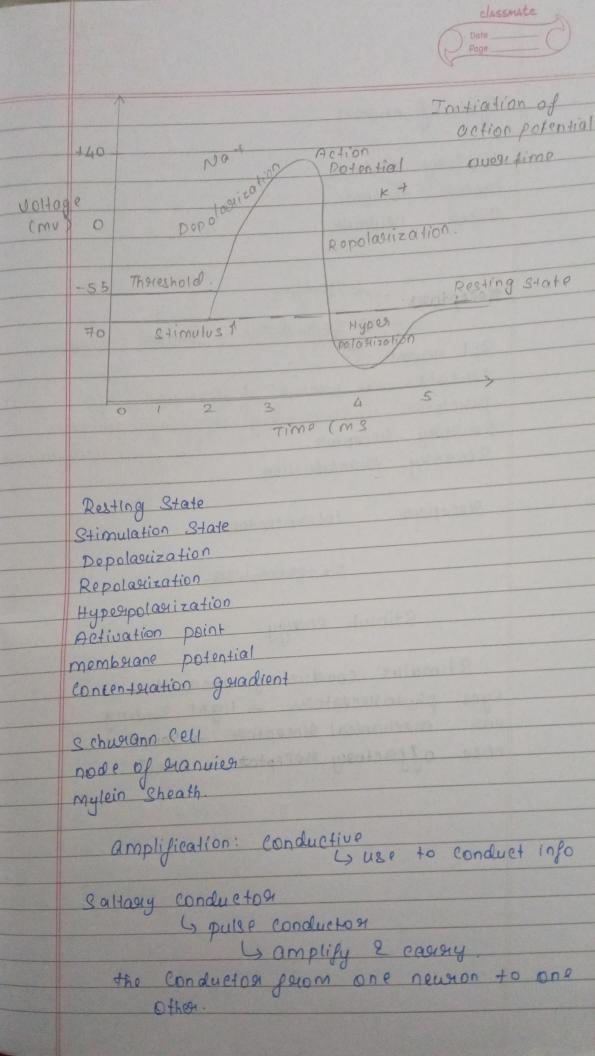
then they are processed it.

Once it breaches the threshold value

then it is activated then transmitted

to newson.

> Synapse Ast Synapses: The tecansmission Synaptic C-left (electrical to Chemical) 15 news - teransmitter. Carrolles the Signal forom one to another Electoro chemical process: Na+ -> Sodium K+ - potassium Potential memberone potential Concentration gradient 2 lecterade outside cell + > plasma member insido



Types of neusions: Sensory neurons motosi neusions Inter neurons Receptoses: > secondary > sonsory neworks sensation the percess of steceiving info.

perception understanding info, info getting Spl newson Elasan Kilos tu: Sensory Stecepton Sensory transduction interpreptoses Steceptos Exterocoptosus. Stimuli energy Stimulus conducting appoinatus eyes photo secreptoses - light soneing ear mechanical steceptost -> Sound nose offactory secreptos -> Odows