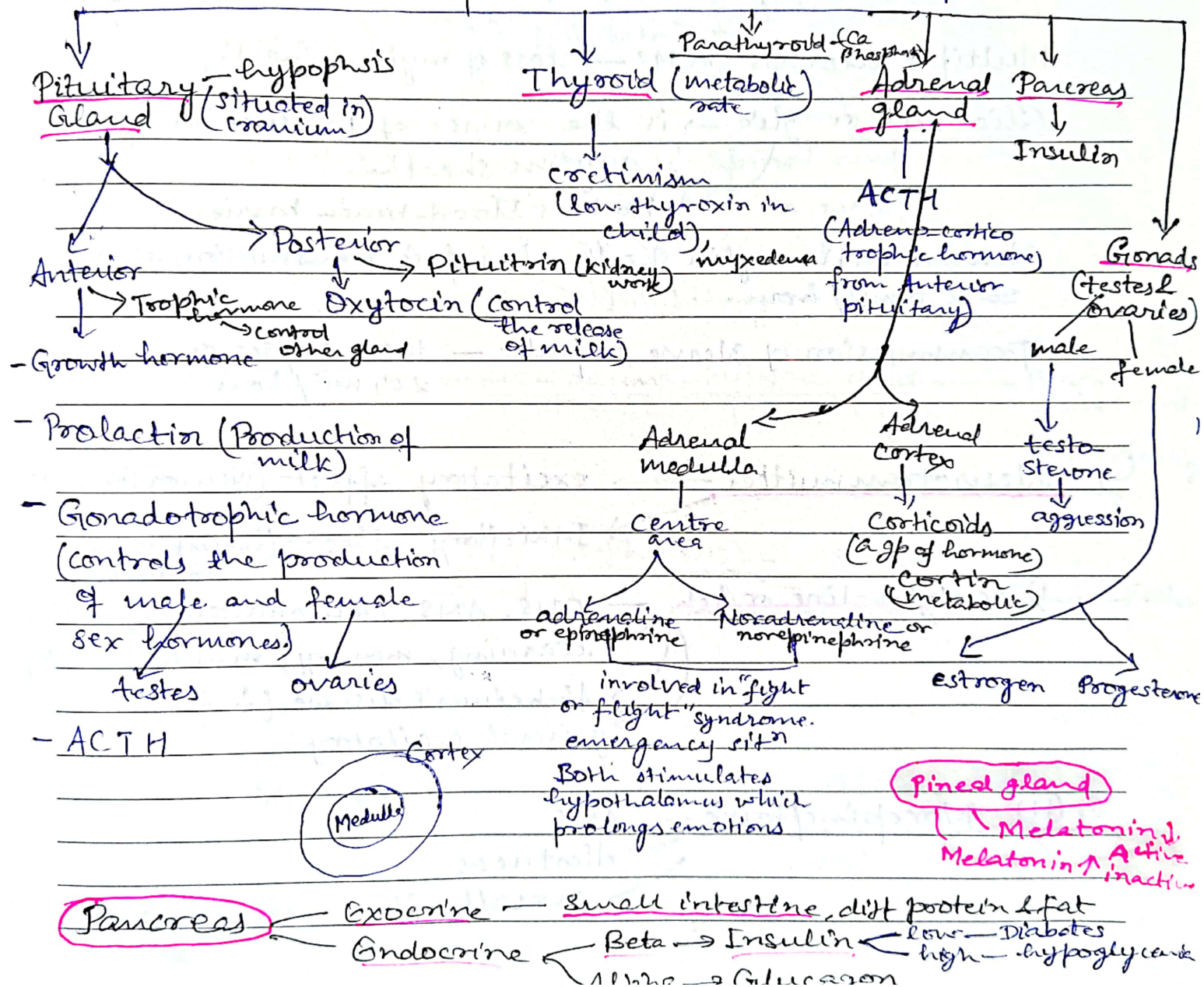


ENDOCRINE SYSTEM

works in conjunction with hypothalamus; called HPA — Adrenal Pituitary Hypothalamus
Hero
 help in homeostasis
 Hum mein hai Hero

Date _____



↳ Group of Axons — Nerve.

Some Axons has whit fatty covering.

It's called myelin sheath — whole body

Date _____



Node of Ranvier

facilitate neural transmission

Multiple sclerosis or MS — loss of myelin sheath

Glial cell or glia → is the source of production of myelin sheath

Work as blood-brain barrier

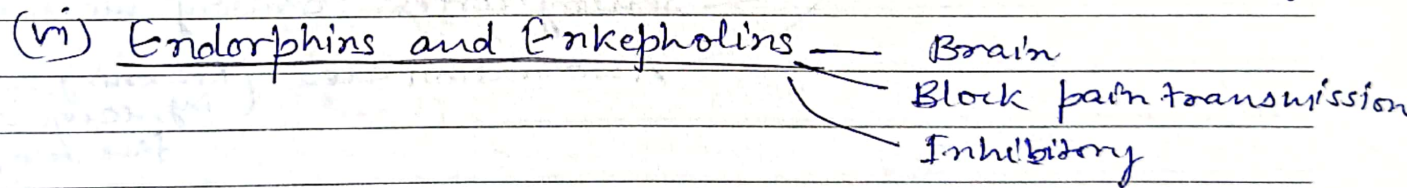
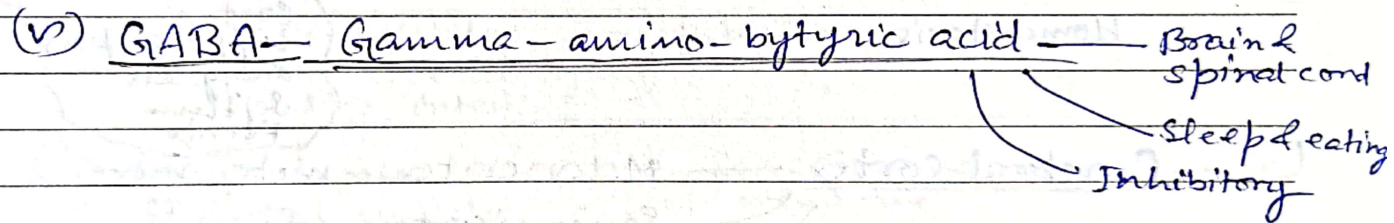
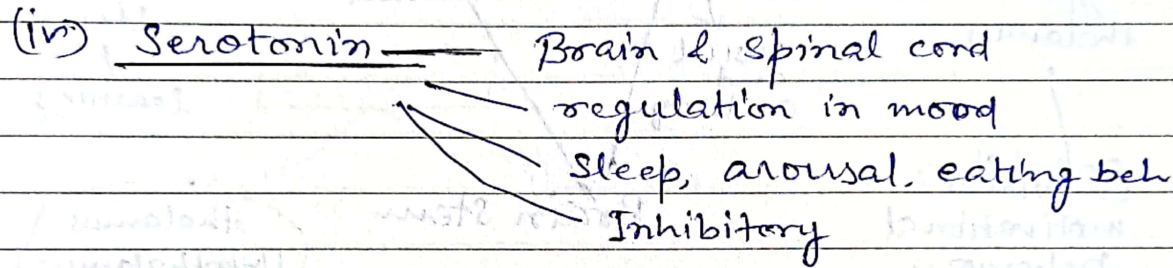
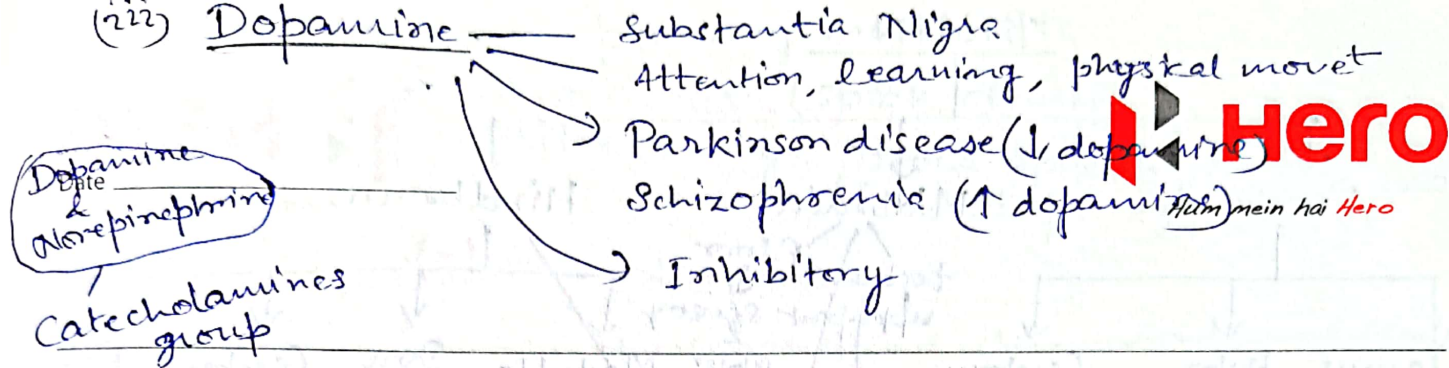
Neuron with myelin sheath has fast transmission, approx 270 mil/hour.

Transmission of Nerve Impulse — 100 meter/sec or 224 mil/hour

↳ Neurotransmitter → excitatory effect (Neuron stimulate)
→ Inhibitory effect (inhibit of nerve stimulation)

i) Acetylcholine or Ach — CNS, ANS, Neuromuscular junction
learning, memory, muscles activity
Alzheimer's disease (↓ Ach)
general excitatory

(ii) Norepinephrine — ANS
Alertness
overall effect general excitatory



Agonist
Strong effect by neurotrans

Antagonist
Weak effect by neurotransmitter