

① LARGE BAND OF FIBRES SITUATED IN INFEROMEDIAL PART OF EACH CEREBRAL HEMISPHERE.

② IN HORIZONTAL SECTION OF BRAIN, IT APPEARS V-SHAPED



CONCAVITY DIRECTED LATERALLY & OCCUPIED BY LENTIFORM NUCLEUS.

③ IT CONTAINS FIBRES GOING TO & COMING FROM CEREBRAL CORTEX.

④ WHEN TRACED UPWARDS, FIBRES OF CAPSULE DIVERGE & ~~FORM~~ ARE CONTINUOUS WITH CORONA RADIATA.

⑤ WHEN TRACED DOWNWARDS, ITS FIBRES CONVERGE & MANY OF THEM ARE

CONTINUOUS WITH CRUS CEREBRI OF MIDBRAIN.

PARTS OF INTERNAL CAPSULE

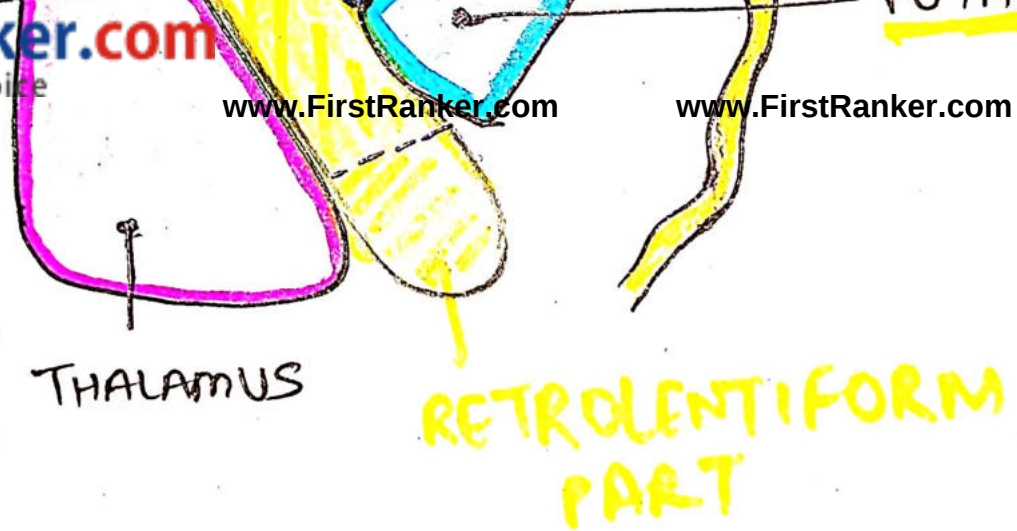
i) ANTERIOR LIMB - LIES BETWEEN HEAD OF CAUDATE NUCLEUS & LENTIFORM N.

ii) GENU - BEND B/W ANTERIOR & POSTERIOR LIMBS.

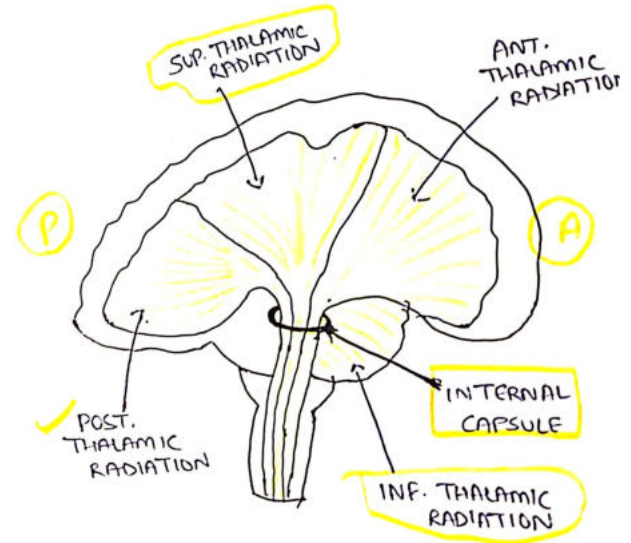
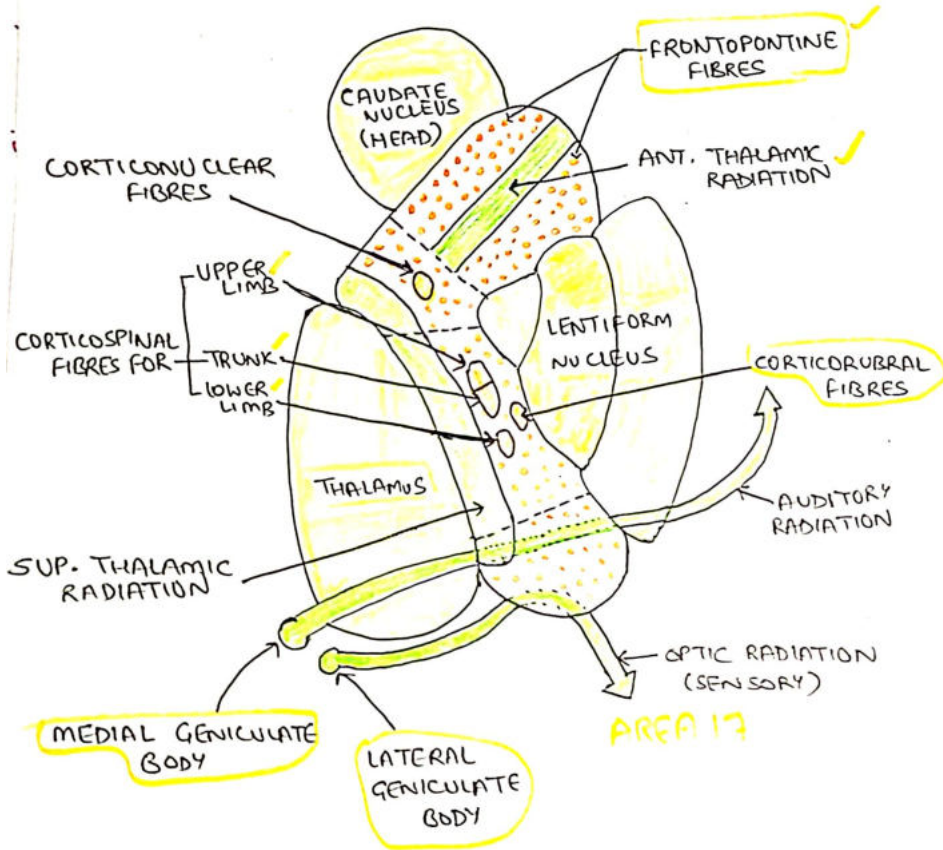
iii) POSTERIOR LIMB - LIES B/W THALAMUS & LENTIFORM NUCLEUS.

iv) SUBLENTIFORM PART - LIES BELOW LENTIFORM NUCLEUS

v) RETROLENTIFORM PART - LIES BEHIND LENTIFORM NUCLEUS.



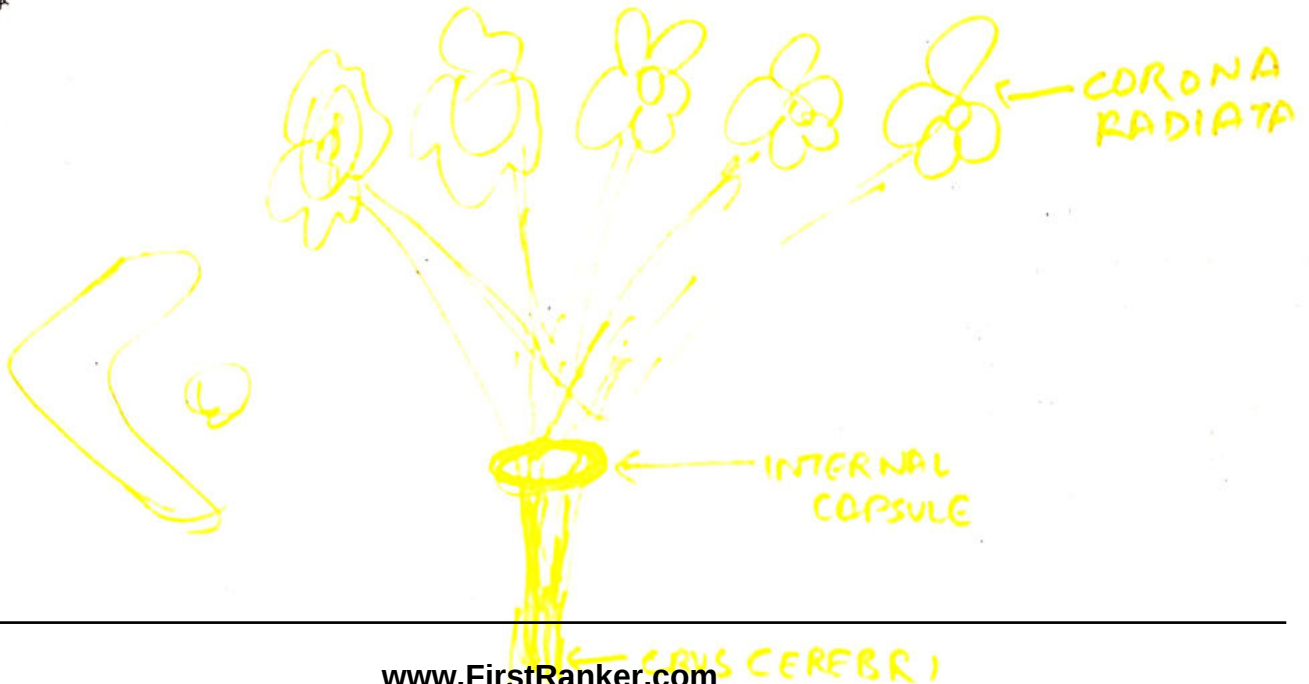
HORIZONTAL SECTION THROUGH
CORPUS STRIATUM, THALAMUS
& INTERNAL CAPSULE.



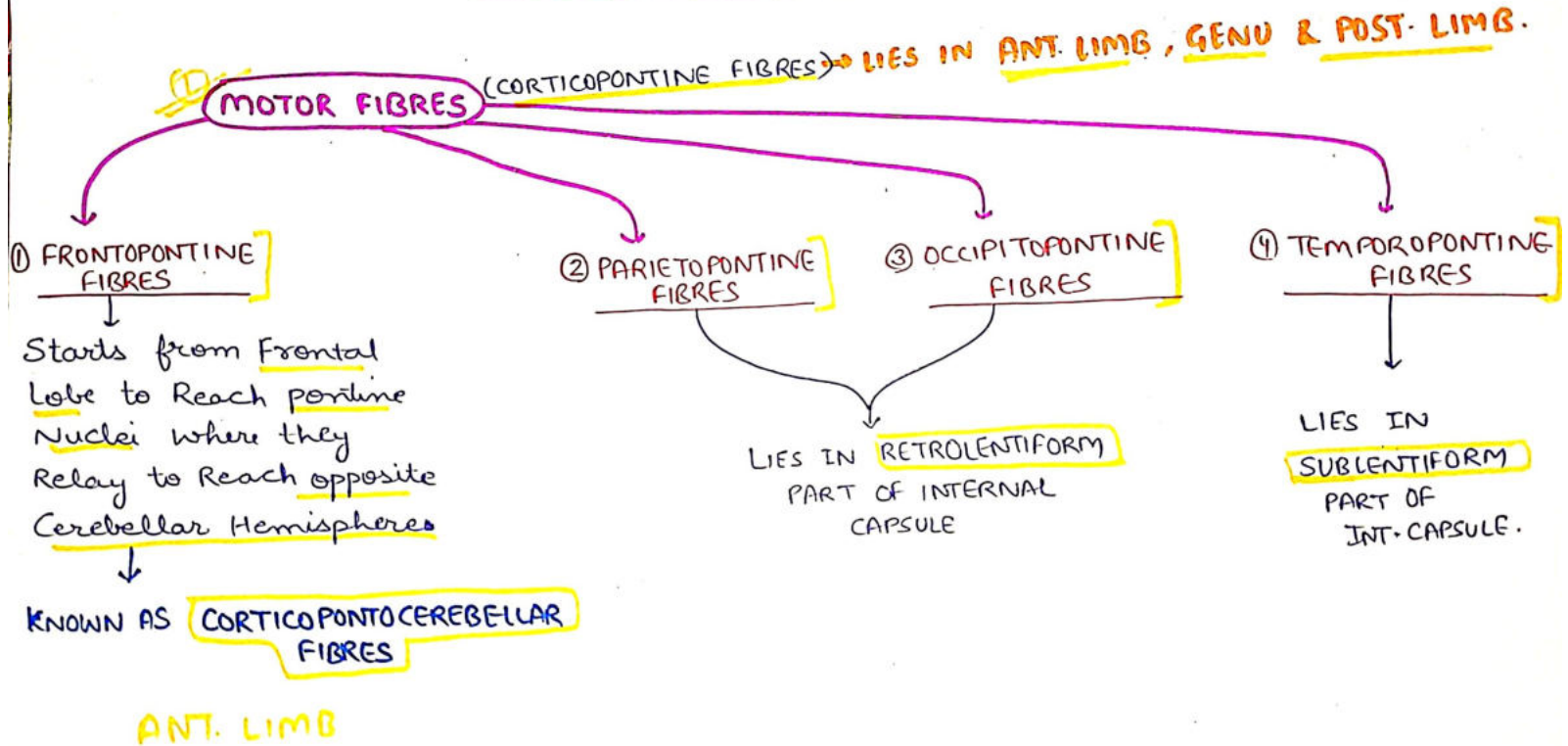
RELATIONS OF INTERNAL CAPSULE

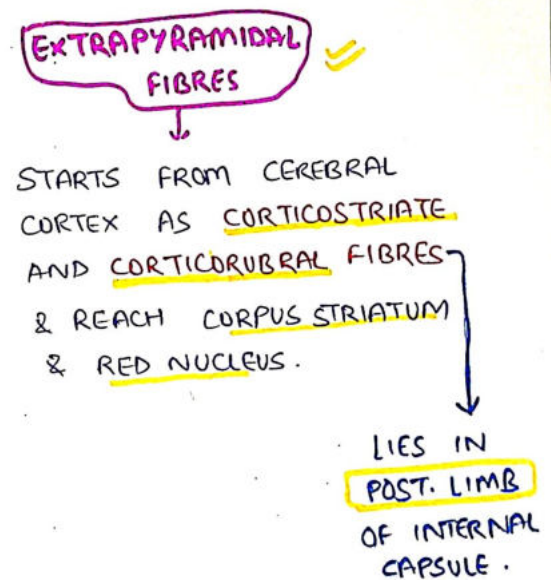
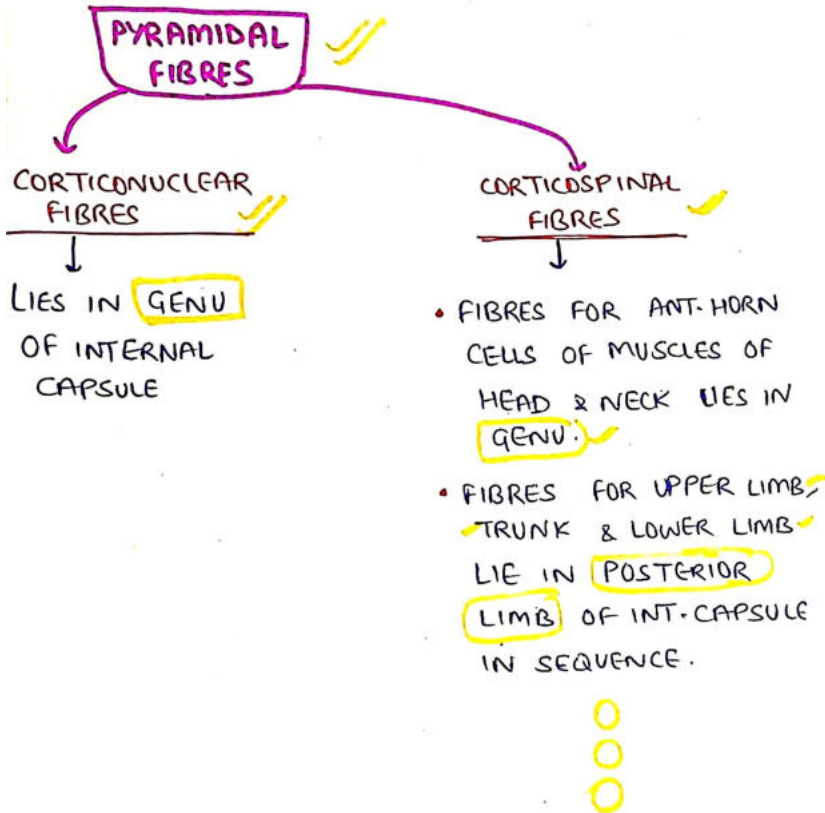
- i) MEDIALY - • HEAD OF CAUDATE NUCLEUS
• THALAMUS ✓
- ii) LATERALLY - • LENTIFORM NUCLEUS ✓

~~FIBRES OF CAPSULE~~



FIBRES OF INTERNAL CAPSULE







SENSORY FIBRES

→ **THALAMOCORTICAL FIBRES FORM THALAMIC RADIATION [3RD ORDER NEURON FIBRES]**

- ① ANTERIOR THALAMIC RADIATION - FIBRES FROM ANT. & DORSOMEDIAL NUCLEI OF THALAMUS TERMINATE IN CORTEX OF FRONTAL LOBE.
- LIES IN ANT. LIMB OF INTERNAL CAPSULE.
- ② SUPERIOR THALAMIC RADIATION - FIBRES FROM VENTRAL GROUP OF NUCLEI OF THALAMUS REACH SENSORY AREAS OF FRONTAL & PARIETAL LOBES.
↳ GENU & POST. LIMB
- ③ INFERIOR THALAMIC RADIATION - CONNECT MEDIAL GENICULATE BODY WITH PRIMARY AUDITORY CORTEX.
↳ SUBLENTIFORM PART
- ④ POSTERIOR THALAMIC RADIATION - CONNECTS LATERAL GENICULATE BODY TO AREA 17 FORMING OPTIC RADIATION.
↳ RETROLENTIFORM PART.

BLOOD SUPPLY

- ① ANTERIOR LIMB -
 - i) RECURRENT BRANCH OF ANT. CEREBRAL (A)
 - ii) DIRECT BRANCH FROM ANT. CEREBRAL (A)
- ② GENU -
 - i) DIRECT BRANCHES FROM INTERNAL CAROTID (A)
 - ii) POST. COMMUNICATING (A)
- ③ POSTERIOR LIMB -
 - i) LATERAL STRIATE BRANCHES OF MIDDLE CEREBRAL (A)
 - ii) MEDIAL " " " "
 - iii) ANT. CHOROIDAL (A)
- ④ SUBLENTIFORM PART -
 - i) BRANCHES OF POST. CEREBRAL (A)
 - ii) ANT. CHOROIDAL (A)
- ⑤ RETROLENTIFORM PART - BRANCHES OF POST. CEREBRAL (A)