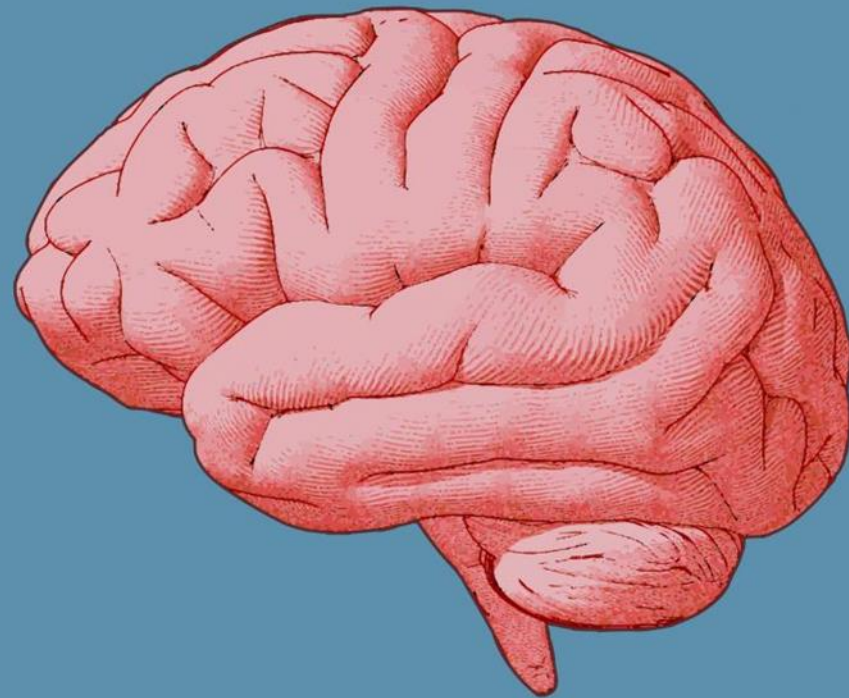




An Initiative by **अमरउजाला**



BRAIN:

Location of brain: Below the cranium (skull).

Weight: (1350-1450)gm

- average weight of brain: 1400gm (20y)
- Weight of brain in child : (350-400)gm

3.7gm/y

Function of Brain:

1. To provide Intelligence
2. To control our body

Parts of Brain:

1. Fore Brain: largest part of our brain

Thalamus ✓

Hypothalamus ✓

Cerebrum ✓

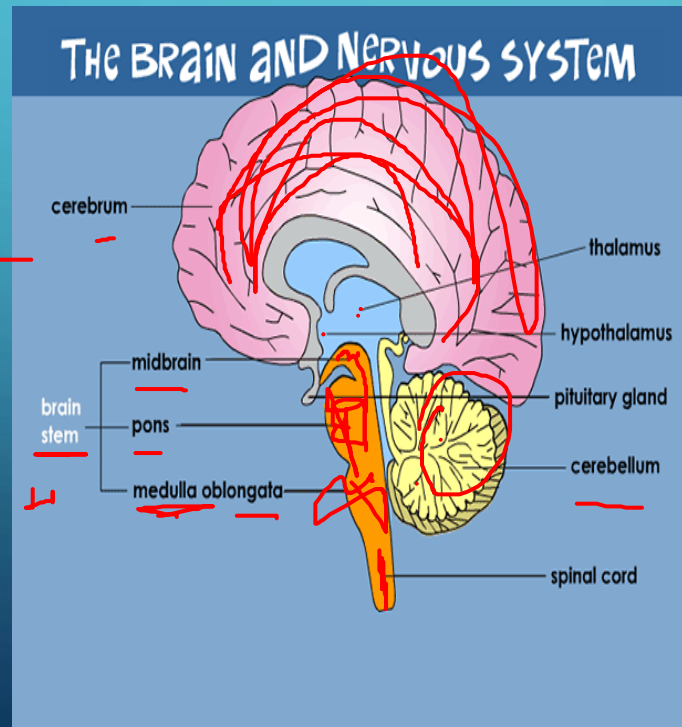
2. Mid Brain: Smallest part of our brain

3. Hind Brain:

→ Medulla Oblongata

Cerebellum ✓

Pons ✓



Function of Medulla Oblongata:

It mainly controls “Involuntary Function”

There are 2 types of Involuntary Mechanism:

1. Vital Mechanism: All the function which are needed by our body and in its absence our body dies.

Example: Heart beat, respiration, excretion, circulation of blood,
Digestion

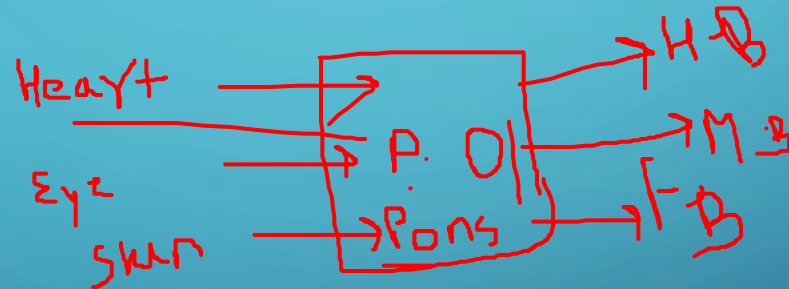
2. Accessory Functions: All the function which is needed by our body but in its absence our body does not die.

Example: yawn, hiccups, cough, sneezing, snoring, burp, vomit,
Blinking of eyes.

Function of Cerebellum: 377

Also known as "Little Brain" / "Tree of Life"

1. Helps in muscle motion / motor function 481
2. Regulates Body posture Que: Alcohol →
3. Balancing of body
4. Helps in speaking



Function of Pons:

1. Communicate body and brain
2. Helps Medulla Oblongata

M-O → Pons →
Cerebellum

Function of Mid Brain:

Also known as “sixth sense”

1. It controls auditory and visual functions.

Sensory
organ

Function of Fore Brain: It is also known as “Higher Brain”.

Thalamus: It controls:

Nose- Smell *

Tongue- Taste

Skin- External Pain, External Temperature, touch *

Hypothalamus: It controls:

* 1. Feelings (hunger, thirst, sleep, fear, love).

2. Regulates Body Temperature. *

Cerebrum: ग्रह.

Largest sub part of brain

80% of fore brain

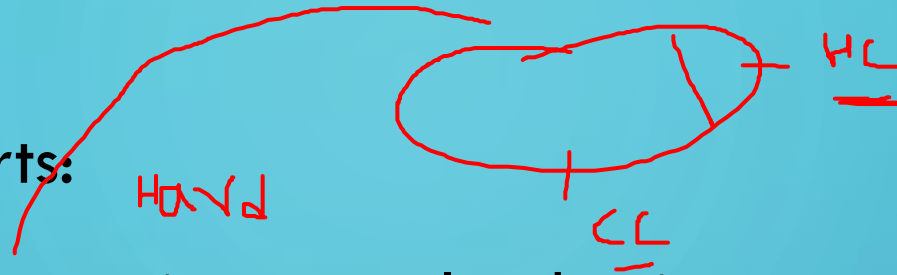
Functions:

1. Provides Intelligence
2. Formation and storage of memory
3. Emotions

80%

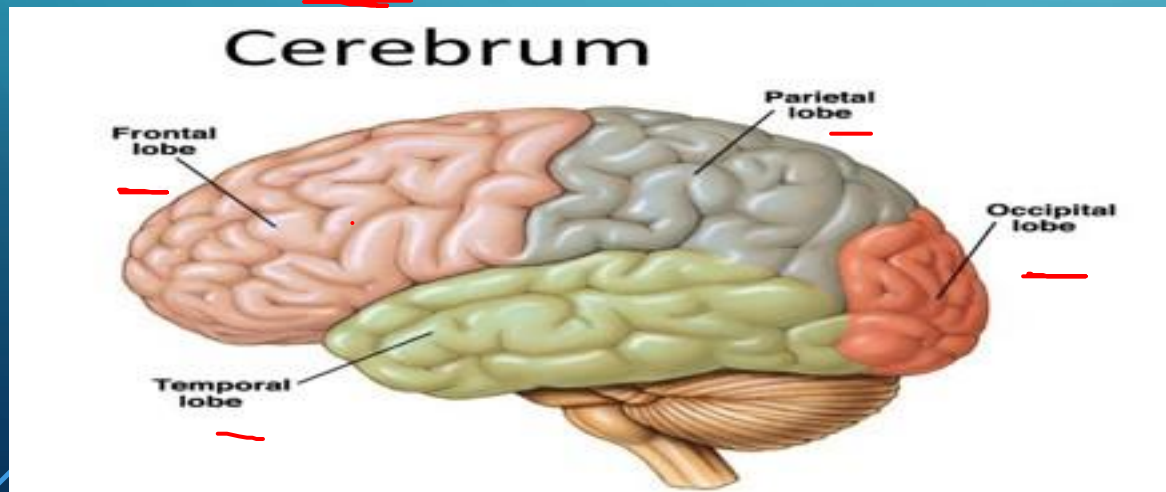
Parts of Cerebrum:

It can be divided into 2 parts:



1. Hippocampus: Hippocampus is a complex brain structure embedded deep into Cerebrum. It has a major role in learning and memory (storage of memory).

2. Cerebral cortex:



4

Function of frontal lobe:

- Memory formation
- Personality development
- Thinking
- Concentration
- Creativity
- Decision making
- Controls Cerebellum

Somnambulism

Function of Parietal lobe:

- Logical reasoning ✓
- Distance, direction and speed
- Communication
- Storage of language

Driving
Dyslexia

Function of Temporal lobe:

It controls subconscious auditory function of Mid brain.

Function of Occipital lobe:

It controls subconscious visual function of mid brain.

O + T + F + P

****Formation of dream: Cerebral Cortex

****Limbic System: The limbic system is a set of structures in the brain that deal with emotions and memory.

It is a mixture of Thalamus, Hypothalamus and Cerebrum

