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Class 10th

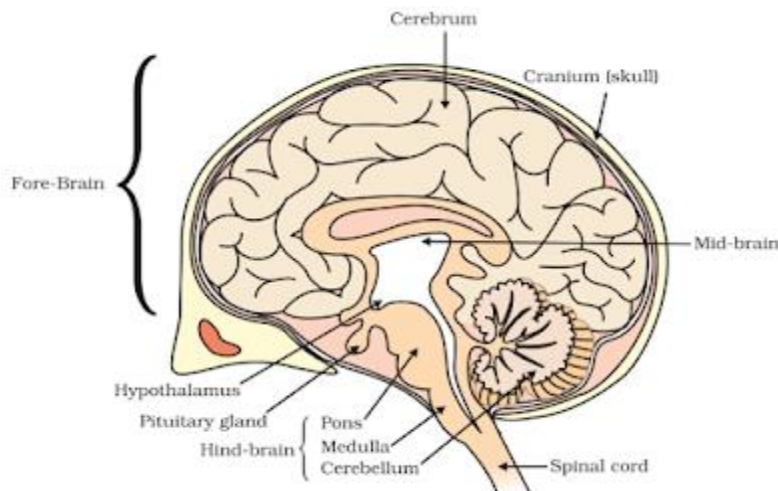
Subject Biology

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Human Brain

→ Brain is the main coordinating centre of the body. It has three major parts:

- (i) Fore-brain
- (ii) Mid-brain
- (iii) Hind-brain



Fore-brain

→ It is the most complex or specialised part of the brain. It consists of cerebrum.

→ Functions of Fore-brain:

- (i) Thinking part of the brain.
- (ii) Control the voluntary actions.
- (iii) Store information (Memory).

- (iv) Receives sensory impulses from various parts of the body and integrate it.
- (v) Centre associated with hunger.

Mid-brain

→ Controls involuntary actions such as change in pupil size and reflex movements of head, neck and trunk.

Hind-brain

It has three parts:

- (i) Cerebellum : Controls posture and balance. Precision of voluntary actions. Example: picking pen.
- (ii) Medulla : Controls involuntary actions. Example: blood pressure, salivation, vomiting.
- (iii) Pons : Involuntary actions, regulation of respiration.