a. Inferior peduncles - Brings sensory information concerning the position of the limbs, joints, and other body parts to the cerebellum
b. Middle Peduncles - Transmits signals from the cerebral cortex to the cerebellum concerning desired position of the above parts
c. Superior Peduncles - Sends impulses from cerebellum to midbrain (from there motor impulse is sent through rest of brain stem parts and spinal cord to the skeletal muscles)

- Cerebellum functions as reflex center in control of skeletal muscle movements and helps maintains posture
- Cerebellum made of mainly white matter which is due to the presence of an insulating material called myelin

Divided into three main parts

1. Cerebrocerebellum - Receives signals from cerebrum
2. Vestibulocerebellum - Receives input from the brainstem
3. Spinocerebellum - Receives electrical signals from the spinal cord

- Surface of cerebellum is shaped by thin folds called folia
- It coordinates motor activity, posture, and balance, and helps us store information about motor skills
- Damage to the cerebellum may cause tremors, inaccurate movements of voluntary muscle, loss of muscle tone, a distorted walk, and/or loss of equilibrium