FUNCTIONAL AREAS OF THE CEREBRAL CORTEX

1. Higher Mental Functions
   - Concentration
   - Planning
   - Judgment
   - Emotional expression
   - Creativity
   - Inhibition - Ability to control self

2. Motor Function Area
   - Eye movement and placement of eyes

3. Broca’s Area
   - Ability to talk
   - Ability to write

4. Motor Function Area
   - Ability to move muscles

5. Association Area
   - Short-term memory
   - Emotion

6. Sensory Area
   - Touching and feeling

7. Auditory Area
   - Hearing

8. Wernicke’s Area
   - Written and spoken language understanding

9. Somatosensory Association Area
   - Understanding of weight, texture, temperature, etc. for recognizing and comprehending an object

10. Visual Areas
    - Sight
    - Ability to recognize pictures
    - Awareness of size and shape

FUNCTIONAL AREAS OF THE CEREBELLUM

11. Motor Functions
    - Coordination of movement
    - Balance
    - Posture