

HUMAN NERVOUS SYSTEM

Central and Peripheral Mapping

- 01. CEREBRUM** Primary site for sensory integration, thought, and voluntary muscular activity.
- 02. CEREBELLUM** Coordinates voluntary movements such as posture, balance, and coordination.
- 03. SPINAL CORD** The main pathway for information connecting the brain and peripheral nervous system.
- 04. BRACHIAL PLEXUS** Network of nerves sending signals from the spinal cord to the shoulder, arm, and hand.
- 05. SCIATIC NERVE** The largest single nerve in the body, running from the lower back down each leg.
- 06. VAGUS NERVE** Critical component of the autonomic nervous system controlling involuntary functions.

CNS: Central Nervous System
PNS: Peripheral Nervous System
ANS: Autonomic System