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General Nervous System

Definition: The nervous system is a complex mechanism by which the organism is brought into functional relation with its environment and its various parts are coordinated.

Classification: Grossly nervous system can be classified into-

A. **Central nervous system (CNS)**-consists of brain and spinal cord

B. **Peripheral nervous system (PNS)**-consists of
   - Cranial nerves
   - Spinal nerves
   - Autonomic nervous system (ANS). ANS further divided into as sympathetic and parasympathetic.



Fig. 1 Dorsal view of Horse Brain

Brain (Encephalon)

Location: situated in the cranial cavity.
Classification of brain:
Grossly the brain divided into:

1. Cerebrum
2. Cerebellum
3. Brainstem
   - Medulla oblongata,
   - Pons and
   - Midbrain

