

## Secondary Level

Science and Technology

### Chapter 23: Control and Coordination

1. With the help of a labelled diagram explain nerve cell?
2. What is reflex action? Explain the mechanism of reflex action with a suitable example.
3. Draw a diagram of human brain and label cerebrum, cerebellum, medulla and fore brain on it.
4. When a barefoot person accidentally steps on a pin, what will be her/ his immediate response? Explain how this reaction is processed by the nervous system?
5. Name the three major regions of human brain. Which part of brain maintains balance of body and coordinate muscular activity?
6. Differentiate between the following:
  - (i) Sensory nerve and motor nerve
  - (ii) Natural reflex and conditioned reflex
  - (iii) Sympathetic and parasympathetic nervous system
7. Elucidate “the spinal cord is an integral part of the Central nervous system”?
8. Give one function performed by each of the following:
  - i. Cerebrum
  - ii. Cerebellum
  - iii. Hypothalamus
  - iv. Medulla oblongata
  - v. Cerebrospinal fluid
9. Define hormones. Name the hormone secreted by thyroid. Write its functions. Why doctor has advice us to use iodised salt in our food?
10. Write the function of the hormone secreted by the endocrine gland pituitary. Name the hormone secreted by human testes. State its functions.