THEORY QUESTIONS

1 Mark:
1. How is the spinal cord protected in the human body? [CBSE 2010]
2. Which organ secretes a hormone when the blood sugar rises? Name a digestive enzyme released by this organ. [CBSE Sample Paper, 2008]
3. What does the given experimental set-up demonstrate?

![Experimental set-up image]

4. A particular hormone requires iodine for its synthesis. Name the endocrine gland which secretes this hormone and state its location in the human body. [CBSE Sample Paper, 2008]
5. Name any two types of tropism. [CBSE Sample Paper, 2010]

2 Marks:
1. What are hormones? Name the hormone secreted by thyroid and state its function. [CBSE 2010]
2. I. Label the two parts indicated by question marks and labelled 1 and 2 in the diagram.
   II. Suggest a suitable caption or heading for the diagram.

![Diagram image]

3. The given experimental set up tests the response of different parts of plant towards gravity. Use scientific terms for the conclusions.

![Experimental set-up image]

3 Marks:
1. What is 'phototropism'? How does it occur in plants? Describe an activity to demonstrate phototropism. [CBSE 2009]
2. Label parts 1 to 6 in the given figure of the brain

[CBSE Sample Paper, 2008]

5 Marks:

1. A) Draw the structure of a neuron and label the following on it:
   - Nucleus, Dendrite, Cell body and Axon
B) Name the part of neuron:
   I. where information is acquired.
   II. through which information travels as an electrical impulse.

2. A) Draw a neat diagram of human brain and
   I. Label Medulla and Cerebellum
   II. Write the functions of the above mentioned parts
B) “Both overproduction and underproduction of Growth hormone leads to disorders in the body.” Explain.