



CONTROL & CO-ORDINATION

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SCIENCE PRACTICE PAPER 06

Total Marks : 20

I. Choose the Most Appropriate Answers

3 x 1 = 3

- Movement of sunflower in accordance with the path of Sun is due to
 - Chemotropism
 - Geotropism
 - Phototropism
 - Hydrotropism
- The main function of abscisic acid in plants is
 - to promote cell division.
 - to inhibit growth.
 - to promote growth of stem.
 - to increase the length of cells
- A part of the body which responds to the instructions sent from nervous system is called
 - Receptor
 - Effector
 - Nerves
 - Muscles

II. Answer the following questions

2 x 1 = 2

- Why is it advised to use iodised salt in our diet ?
- What is synapse ?

III. Answer the Following questions

4 x 2 = 8

- State how concentration of auxin stimulates the cells to grow longer on the side of the shoot which is away from light?
- Explain the need of Chemical communication in multicellular organisms.
- What are the major parts of the brain? Mention the functions of different parts
- Why is the flow of signals in a synapse from axonal end of one neuron to dendritic end of another neuron but not the reverse?

IV. Answer the following questions

1 x 3 = 3

- State the structural and the functional unit of the nervous system. Draw its neat labelled diagram and write two functions.

V. Answer the following questions

1 x 4 = 4

- What is meant by reflex-action ? With the help of a labelled diagram trace the sequence of events which occur when we touch a hot object.

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