

# BHARATH COACHING CENTRE

10<sup>th</sup> CBSE

Science

Total: 50

Control & Coordination

Time: 2hrs

## Section A

5 X 1 = 5

1. The dramatic changes in body features associated with puberty are mainly because of the secretions of \_\_\_\_\_.
2. The number of pairs of nerves arise from spinal cord & the number of pairs connected in the head region \_\_\_\_\_.
3. The plant hormone which triggers the fall of mature leaves and fruits from the plant body is \_\_\_\_\_.
4. The plant part which grows in the direction of gravity but away from light \_\_\_\_\_.
5. The path of electrical impulse travels in neuron \_\_\_\_\_.

## Section B

5 X 2 = 10

6. Draw the structure of neuron along with its parts.
7. Name the diseases caused by thyroxine hormones imbalance.
8. Explain the mechanism of nastic movement in *Mimosa pudica*.
9. Why plants response slower than the animals to their stimulus?
10. What are the types of nervous system & their associated parts?

## Section C

5 X 5 = 25

11. Give the plant hormones along with its function (2 each).
12. Differentiate tropic & nastic movements.
13. Describe autonomic nervous system.
14. Name the glands in the abdomen region with its hormones and its functions.
15. Mention the types of nastic movements along with example.

## Section D

5 X 4 = 20

16. Explain the types of tropic movements in plants with example.
17. Draw the structure of human brain. Mention some of its functions.
18. Give an detailed account of hindbrain.
19. Give the hormones & their functions of the following glands
  - (a) Hypothalamus
  - (b) Thyroid gland
  - (c) Pineal gland
20. Define reflex arc and reflex action. Show the reflex arc for the stimulus of dim light.