



**INDIAN SCHOOL DARSAIT
DEPARTMENT OF SCIENCE**



Subject : Biology

Topic : CONTROL AND COORDINATION

Resource Person: Ms.Haseena Begum

Date of the worksheet: 24-5-2018

Name of the Student : _____

Class & Division : X

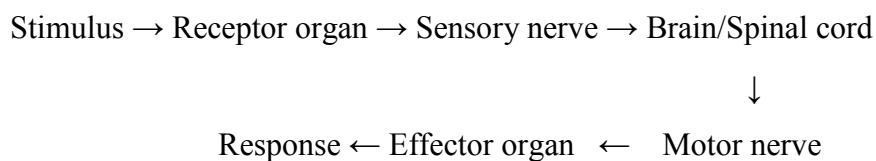
Roll Number : ___

1. What is hydrotropism? 1
2. State the main function of abscisic acid in plants. 1
3. Name the plant hormones responsible for elongation of cells. 1
4. Pituitary gland is often termed as master endocrine gland why? 2
5. Name the hormone secreted by thyroid gland. Write its function. 2
6. Draw a neat diagram to show structure of neuron and label on it the following :
cell body, axon, dendrite 3
7. Name the hormones that are released in human males and females when they reach puberty. 3
8. What is a reflex arc? What are the components of a reflex arc?
9. 3
Mention the function for each hormone.
a) Insulin b) Glucagon c) Testosterone
10. List the names of hormones secreted by the following endocrine glands and mention
their functions. 3
(i) Pituitary gland (ii) Adrenal Gland
11. Name various plant hormones. Give one function of each. 5
12. (a) Name the hormone which is injected to a diabetic patient. 5
(b) Why should we use iodised salt in our diet ?
(c) If iodine is insufficient in one's diet, what might be the deficiency disease and its symptoms ?

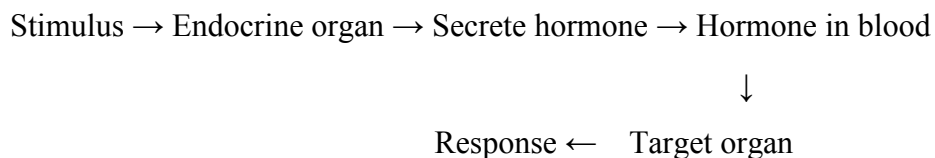
13. (i) Differentiate between sensory neurons and motor neurons. 5
(ii) How is brain protected in our body ?
(iii) Name the part of the brain responsible for precision of voluntary actions and maintaining body posture and balance of the body.
14. Draw the diagram of human brain and label the parts. 5

KEY POINTS:

✍ **NERVOUS SYSTEM**



✍ **ENDOCRINE SYSTEM**



✍ **PASSING OF INFORMATION TAKES PLACE** –

- (i) By Electric impulse (inside the neuron)
(ii) In the form of chemicals (At synapse)

✍ **TROPIC MOVEMENTS**- The movements of plants in the direction of stimulus (positive) or away from it (negative) are called tropic movements. E.g. Phototropism, Geotropism, Chemotropism.

✍ **NASTIC MOVEMENTS** -The movements of plants independent of stimuli are called nastic movements. E.g.- Touch me not plant leaves close when touched.