



# INDIAN SCHOOL DARSAIT DEPARTMENT OF SCIENCE



**Subject :** Biology

**Topic :** CONTROL AND COORDINATION

**Resource Person:** Ms. Haseena Begum

**Date of the worksheet:** 24-5-2019

**Name of the Student :** \_\_\_\_\_

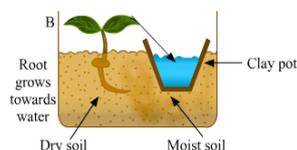
**Class & Division :** X

**Roll Number :** \_\_\_

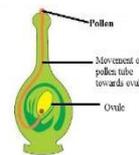
1. Name the plant hormones responsible for elongation of cells. 1
2. All information for our environment is detected by specialized tips of some nerve cells. Mention the name given to such tips and also mention where are they located. 1
3. Name the one organ where growth hormones is synthesized in man and plants. 1
4. Name the part of the brain which controls posture and balance of the body. 1
5. 1
6. How do we detect the smell of an agarbatti (incense stick)? 1
7. Give reason to explain why endocrine glands release their secretions into the blood directly. 1
8. Give an example of a plant hormone that promotes growth. 1
9. How do auxins promote the growth of a tendril around a support? 1
10. Why are some patients of diabetes treated by giving injections of insulin? 1
11. What are the difference between endocrine and exocrine gland? 2
12. While watering a rose plant, a thorn pricked Rita s hand. How would she respond to this situation Provide the term for such type of response? 2
13. Identify the type of Tropism shown in the figure A B C and D 2



A



B



C



D

14. What is the function of receptors in our body? Think of situations where receptors do not work properly. What problems are likely to arise? 2
15. A boy runs on seeing a stray dog. His breathing becomes very fast and blood pressure also increases. Name the hormone found to be high in his blood and the gland which produces it. 2

15. Pituitary gland is often termed as master endocrine gland why? Which is the master of master gland? 2
16. An old man is advised by his doctor to take less sugar in his diet. Name the disease from which the man is suffering. Mention the hormone due to imbalance of which he is suffering from this disease. Which endocrine gland secretes this hormone? 2
17. What is synapse? How does a message of an impulse transmit through a synapse? 2
18. Name the hormones that are released in human males and females when they reach puberty. 2
19. 'Brain and Spinal Cord are two vital organs of our body'. How is our body designed to protect them? 2
20. (a) Draw the structure of neuron and label cell body and axon. 2  
 (b) Name the part of neuron  
 (i) Where information is received. (ii) Through which information travels as an electrical impulse.
21. What is the difference between a reflex action and walking? 2
22. Why is it important for us to have iodized salt in our diet? Name the disease caused due to deficiency of iodine and mention its main symptom. 3
23. Name the hormones required for followings. Also mention the name of endocrine gland for which that is secreted 3  
 (a) Conversion of glycogen into glucose  
 (b) Stimulation of growth  
 (c) Metabolism of carbohydrates, protein and fat
24. 5  
 a) Nerve input signal travelled only up to the spinal cord and gave output signal for a response. What type of action did the body show voluntary or involuntary?  
 (b) Draw a nerve pathway for the above action and suggest specific terms for input nerve and output nerve.
25. What are Phytohormones? Name any 4 Phytohormones and mention their functions. 5
26. Draw the diagram of human brain and label the parts. 5