



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 18.01.2021

**CHAPTER: CONTROL & COORDINATION IN LIVING ORGANISMS** **TOPIC: SENSITIVITY & RESPONSE IN PLANTS & TACTIC MOVEMENT & COMPARISON OF 3 TYPES OF MOVEMENT**

## WORKSHEET 1

**Choose the correct option:**

**(1X15=15)**

- Which of the following is related to Induced Movement in plants?  
a. Irritability                      b. Sensitivity                      c. Spontaneous                      d. None of these
- Which of the following is related to spring like growth of plant parts?  
a. Thigmotropism                      b. Circumnutation                      c. Geotropism                      d. Both b&c
- Thigmotropism & Circumnutation are both observed in  
a. Pea                      b. Vine                      c. Both a&b                      d. None of these
- Which of the following occurs due to external heat stimulus?  
a. Thermotaxis                      b. Chemotaxis                      c. Phototaxis                      d. Both a & b
- Which of the following is not the physical factor acting as stimulus?  
a. Temperature                      b. Gases                      c. Light                      d. Moisture
- Which of the following is a harmful stimulus in general?  
a. Illuminated part of water                      b. acidic soil                      c. Both a & b                      d. None of these
- The ability to detect a change in the environment by an organism is called  
a. Response                      b. Stimulus                      c. Sensitivity                      d. Potential
- Growth movement in roots of plants in response to a stimulus is  
a. very slow                      b. can be detected easily                      c. Both a and b                      d. None of these
- Plants exhibit turgor movement in response to  
a. Electrical shock                      b. Mechanical shock                      c. Both a & b                      d. None of these
- Growth movement due to touch is shown by  
a. Tendril of pea                      b. Tendril in vine                      c. Both a & b                      d. None of these
- Crescograph used by Acharya J.C. Bose showed  
a. Rate of growth of plant                      b. Magnified plant growth                      c. Response to varied stimuli                      d. All of these
- The movement of plant parts in response to external stimulus is called  
a. Autonomic movement                      b. Paratonic movement                      c. Both a & b                      d. None of these
- Chemotactic movement is seen in  
a. Bryophytes                      b. Pteridophytes                      c. Both a & b                      d. None of these
- Release of water molecules from the pulvinus of *Mimosa* can be due to  
a. Mechanical pressure                      b. Electrical pressure                      c. Both a & b                      d. None of these

-Debjani Chakraborty