



# ST. LAWRENCE HIGH SCHOOL



## A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 16.01.2021

**CHAPTER: CONTROL & COORDINATION IN LIVING ORGANISMS TOPIC: SENSITIVITY & RESPONSE IN PLANTS & TACTIC MOVEMENT**

**WORKSHEET 1**

**Choose the correct option:**

**(1X15=15)**

- Tactic movement is a type of  
a. Autonomic movement    b. Paratonic movement    c. Induced movement    d. Both b & c
- Positive response towards light is shown by  
a. *Chlamydomonas*    b. Bug moving towards light    c. Both a & b    d. None of these
- In which direction does a *Chlamydomonas* move when it faces strong & diffused light on its right & left respectively?  
a. right side    b. left side    c. Any side    d. Not respond
- The response of growth of root usually away from light is called  
a. Phototropism    b. Skototropism    c. Thigmotropism    d. Chemotropism
- Acharya J.C. Bose showed drooping & retraction movement in *Mimosa* by applying electric shock of  
a. 1.3 volts    b. 1 volt    c. 0.5 volt    d. 0.1 volt
- Which of the following brings about modification of apical meristem to floral meristem?  
a. Gibberellin    b. Florigen    c. Both a & b    d. None of these
- The movement in the higher plants are chiefly in the form of?  
a. Twisting    b. Elongation of plant parts    c. Bending of parts    d. All of these
- The type of stimuli to which *Mimosa* shows seismonastic movement is  
a. chemical    b. Mechanical    c. Both a and b    d. None of these
- The movement seen in Antherozoids in Bryophytes is  
a. Phototaxis    b. Thermotaxis    c. Chemotaxis    d. Both a & b
- Locomotion is exhibited by  
a. Unicellular green algae    b. Colonial green algae    c. Both a and b    d. None of these
- Stimuli for an organism can be  
a. Physical factor    b. Chemical signal    c. Both a and b    d. None of these
- Stimuli for an organism can be  
a. External    b. Internal    c. Both a & b    d. None of these
- The sensors which tell the plant day or light is  
a. Phototropins    b. Cryptochrome    c. Phytochrome    d. All of these
- In low light conditions, the plants produce \_\_\_\_\_ photosynthetic pigments.  
a. More    b. Less    c. Moderate    d. None of these
- The necessity for Excretion & osmoregulation is mainly brought about by  
a. External stimulus    b. Internal stimulus    c. Both a & b    d. None of these

-Debjani Chakraborty