



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 21.04.2020

CHAPTER: CONTROL & COORDINATION IN LIVING ORGANISMS

TOPIC: TACTIC & NASTIC  
MOVEMENT IN PLANTS

## WORKSHEET SOLUTION 13

Choose the correct option:

(1X15=15)

1. Which form of movement is not shown by the higher plants?  
**d. All of these**
2. The movement of plant parts in response to external stimulus is called  
**b. Paratonic movement**
3. Tactic movement is a type of  
**d. Both b & c**
4. Non-directional response to stimuli is shown by plants, the process being known as  
**b. Nastic movement**
5. In which direction does a *Chlamydomonas* move when it faces strong & diffused light on its right & left respectively?  
**b. left side**
6. The displacement of entire plant body in response to stimulus is associated with  
**a. Tactic movement**
7. The type of response in plants called Nyctinasty is related to  
**c. Both a & b**
8. Which of the following plant exhibits Nyctinasty?  
**c. Both a & b**
9. Which of the following temperature change is enough for beginning of opening of *Crocus* flower ?  
**a. Rise of 0.36°C**
10. The type of stimuli to which *Mimosa* shows seismonastic movement is  
**b. Mechanical**
11. Which one of these following movements is seen in *Nicotiana* flower ?  
**b. Photonasty**
12. Which of the following movement is shown by *Chlamydomonas* ?  
**d. Both a & b**
13. The movement seen in Antherozoids in Bryophytes is  
**c. Chemotaxis**
14. Which of the following movement is independent of direction of stimulus?  
**b. Nastic movement**
15. Flower of *Oenothera* exhibits  
**b. Photonasty**

-Debjani Chakraborty