



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 25.01.2021

CHAPTER: CONTROL & COORDINATION IN LIVING ORGANISMS

TOPIC: NASTIC MOVEMENT IN PLANTS

WORKSHEET SOLUTION 4

Choose the correct option:

(1X15=15)

1. Nastic movements differ from tropic movements in being
a. Nondirectional
2. Movements of leaves of the sensitive plant, *Mimosa pudica* are due to
a. Seismonasty
3. Movements in the leaf of *Mimosa pudica* occur due to changes in
a. Pulvinus
4. Non-directional response to stimuli is shown by plants, the process being known as
b. Nastic movement
5. In *Mimosa*, fall in turgor of lower cells occurs due to
b. Loss of water
6. In the Experiment using the Crescograph, which type of chemical was used?
a. HBr
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. Nastic movement is caused by change in
d. Temperature
13. Nyctinasty includes
d. Both b&c
14. Which of the following movement is independent of direction of stimulus?
b. Nastic movement
15. Flower of *Oenothera* exhibits
b. Photonasty

-Debjani Chakraborty