



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 SOLUTION 1

Choose the correct option:

(1X15=15)

1. Tactic movement is a type of
d. Both b & c
2. Positive response towards light is shown by
c. Both a & b
3. In which direction does a *Chlamydomonas* move when it faces strong & diffused light on its right & left respectively?
b. left side
4. The response of growth of root usually away from light is called
b. Skototropism
5. Acharya J.C. Bose showed drooping & retraction movement in *Mimosa* by applying electric shock of
a. 1.3 volts
6. Which of the following brings about modification of apical meristem to floral meristem?
ac. Both a&b
7. The movement in the higher plants are chiefly in the form of?
d. All of these
8. The type of stimuli to which *Mimosa* shows seismonastic movement is
b. Mechanical
9. The movement seen in Antherozoids in Bryophytes is
c. Chemotaxis
10. Locomotion is exhibited by
c. Both a and b
11. Stimuli for an organism can be
c. Both a and b
12. Stimuli for an organism can be
c. Both a & b
13. The sensors which tell the plant day or light is
d. All of these
14. In low light conditions, the plants produce _____ photosynthetic pigments.
a. More
15. The necessity for Excretion & osmoregulation is mainly brought about by
b. Internal stimulus

-Debjani Chakraborty