



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 13

Choose the correct option:

(1X15=15)

- Which form of movement is not shown by the higher plants?
a. Twisting b. Elongation of plant parts c. Bending of parts 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
- Tactic movement is a type of
a. Autonomic movement b. Paratonic movement c. Induced movement d. Both b & c
- Non-directional response to stimuli is shown by plants, the process being known as
a. Tactic movement b. Nastic movement c. Paratonic movement d. Both a & b
- 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 displacement of entire plant body in response to stimulus is associated with
a. Tactic movement b. Nastic movement c. Paratonic movement d. Both a & b
- The type of response in plants called Nyctinasty is related to
a. Photonasty b. Thermonasty c. Both a & b d. None of these
- Which of the following plant exhibits Nyctinasty?
a. *Medicago* b. *Maranta* c. Both a & b d. Sunflower
- Which of the following temperature change is enough for beginning of opening of *Crocus* flower?
a. Rise of 0.36°C b. Fall of 0.36°C c. Rise of 1°C d. Fall of 1°C
- The type of stimuli to which *Mimosa* shows seismonastic movement is
a. chemical b. Mechanical c. Both a and b d. None of these
- Which one of these following movements is seen in *Nicotiana* flower?
a. Thermonasty b. Photonasty c. Chemonasty d. Seismonasty
- Which of the following movement is shown by *Chlamydomonas*?
a. Phototaxis b. Thermotaxis c. Chemotaxis d. Both a & b
- The movement seen in Antherozoids in Bryophytes is
a. Phototaxis b. Thermotaxis c. Chemotaxis d. Both a & b
- Which of the following movement is independent of direction of stimulus?
a. Tactic movement b. Nastic movement c. Paratonic movement d. Both a & b
- Flower of *Oenothera* exhibits
a. Thermonasty b. Photonasty c. Chemonasty d. Seismonasty

-Debjani Chakraborty