



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 23.01.2021

CHAPTER: CONTROL & COORDINATION IN LIVING ORGANISMS TOPIC: TROPIC MOVEMENT
COMPARISON OF PLANT
MOVEMENTS

WORKSHEET 3

Choose the correct option:

(1X15=15)

- The bending of the tendril of a pea plant exhibits
 - Geotropism
 - Chemotropism
 - Thigmotropism
 - Phototropism
- The type of plant movement associated with movement of plant part & dependence on direction of stimulus is
 - Tactic movement
 - Tropic movement
 - Nastic movement
 - Both a & b
- If a plant exhibits the movement of its shoot & turgidity doesn't play direct role, then the movement is
 - Tactic movement
 - Tropic movement
 - Nastic movement
 - Both a & b
- Which of the following is the type of movement in plants when growth occurs in them?
 - Turgor movement
 - Growth movement
 - Both a & b
 - None of these
- When a potted is kept horizontally, the roots show
 - Positive phototropism
 - Negative geotropism
 - Positive geotropism
 - Both a & b
- Which of the following is the type of movement in response to water current?
 - Geotropism
 - Chemotropism
 - Rheotropism
 - Both a & c
- If the tip of the root of a plant is injured, it shows
 - Chemotropism
 - Traumatropism
 - Rheotropism
 - None of these
- Which of the following movement can be demonstrated with the help of Klinostat?
 - Geotropism
 - Chemotropism
 - Rheotropism
 - Both a & c
- When roots show movement towards water source, which of the following is stronger?
 - Hydrotropism
 - Geotropism
 - Thigmotropism
 - Rheotropism
- Tendrils of are sensitive to
 - Gravity
 - Water current
 - Touch
 - Chemicals
- Which of the following response is shown by the lateral roots towards gravity?
 - Negatively geotropic
 - Neutrally phototropic
 - Diageotropic
 - None of these
- The hyphae of fungi shows
 - Geotropism
 - Chemotropism
 - Rheotropism
 - Both a & c
- Two dishes containing water soaked seeds are kept towards north and south respectively. The type of movement shown by roots kept in dish towards north is
 - Positive geotropic
 - Negative geotropic
 - Any of a and b
 - None of these
- Auxin plays an important role and influences directly in
 - Tactic movement
 - Tropic movement
 - Nastic movement
 - Both a & b
- In a Rotating Klinostat, the shoot
 - bend upwards
 - Bend downwards
 - Is parallel to ground
 - None of these

-Debjani Chakraborty