



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Biological Sciences

Class: XI

Date: 27.2.2021

Transport in Plants

F.M:15

WORKSHEET – 67

(1x15=15)

- i) Some carrier proteins allow the transport of only two types of molecules which move together, which is called
(1) Anti transport (2) Co transport (3) Syntransport (4) All of these
- ii) Which of the following is a type of cotransport?
(1) Antiport (2) Symport (3) Uniport (4) All of these
- iii) Stomata remains open when the guard cells have
(1) More K⁺ (2) more ABA (3) less K⁺ (4) None of these
- iv) Which of the following is an inhibitor of transpiration?
(1) Auxin (2) Gibberellin (3) ABA (4) Ethylene
- v) Exit of the solvent molecules from the cell is referred to as
(1) Exosmosis (2) Endosmosis (3) Diffusion (4) Facilitated diffusion
- vi) Major portion of transpiration occurs through
(1) Stomata (2) Lenticels (3) Both (1) and (2) (4) Cuticle
- vii) Water and minerals in guttation escape through
(1) Stomata (2) Lenticels (3) Hydathode (4) Cuticle
- viii) Guttation is commonly observed in
(1) Arum (2) Nasturtium (3) Tomato (4) All of these
- ix) Entry of K⁺ ions into the cell leads to
(1) Opening of stomata (2) Closing of stomata (3) Inhibition of transpiration (4) No effect
- x) Exchange of K⁺ ions is stopped by
(1) Ethylene (2) Gibberellin (3) Cytokinin (4) ABA
- xi) Which of the following binds to a specific solute?
(1) Carrier proteins (2) Channel proteins (3) Porins (4) All of these
- xii) When a molecule move across the membrane independent of other molecule, it is called
(1) Antiport (2) Symport (3) Uniport (4) None of these
- xiii) In which of the following energy is required for transport?
(1) Diffusion (2) Osmosis (3) Active transport (4) Facilitated diffusion
- xiv) Which of the following processes are important for making the cell turgid?
(1) Osmosis (2) Diffusion (3) Facilitated diffusion (4) Active transport
- xv) When the excess water is liberated through the root of the plant it is called
(1) Guttation (2) Transpiration (3) Leaching (4) Evaporation

Manjaree Guha