



# PARISHRAMA NEET ACADEMY

## TARGET NEET - 2022

### BIOLOGY

#### TOPIC: TRANSPORT IN PLANTS

31. Desalination of water is associated with
- (1) osmotic pressure
  - (2) elevation in temperature
  - (3) decrease in freezing point
  - (4) relative decrease in partial pressure
32. Which of the following statements about plasmolysis is/are true?
- I. Plasmolysis occurs when water moves into the cell
  - II. Cells shrink in hypotonic solution
  - III. If the external solution balances the osmotic pressure of the cytoplasm, it is said to be isotonic
- (1) I only
  - (2) II only
  - (3) II and III only
  - (4) I and II only
33. Choose the wrong statement
- (1) Cells swell in hypertonic solutions and shrink in hypotonic solutions
  - (2) Water potential is the kinetic energy of water which helps in the movement of water
  - (3) The absorption of water by seeds and dry wood takes place by a special type of diffusion called imbibition
  - (4) Solute potential or  $\psi_s$  is always negative
34. For a plasmolysed cell which equation is correct?
- (1)  $DPD = OP + TP$
  - (2)  $DPD = -TP$
  - (3)  $DPD = OP$
  - (4)  $DPD = OP - TP$
35. The relationship  $\pi v = nRT$  is not obeyed by
- (1) concentrated solution
  - (2) dilute solution
  - (3) extremely dilute solution
  - (4) all of these
36. When a cell is plasmolysed, it becomes
- (1) flaccid and its TP becomes 0
  - (2) turgid and its TP becomes 0
  - (3) turgid and TP becomes equal to OP
  - (4) flaccid and DPD becomes 0
37. The process by which water is absorbed by solids like colloids causing them to increase in volume is called
- (1) osmosis
  - (2) plasmolysis
  - (3) imbibition
  - (4) diffusion
38. In a fully turgid cell the \_\_\_\_\_ is zero
- (1) DPD
  - (2) OP
  - (3) WP
  - (4) TP

39. Apoplastic path for the transport of water in root is through
- (1) intercellular spaces
  - (2) intercellular spaces and cell walls
  - (3) cell walls only
  - (4) intercellular spaces, cell walls and endodermis

40. Upward movement of water in plants is called
- (1) sucking
  - (2) ascent of sap
  - (3) translocation
  - (4) none



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