

BIOLOGY

81. Through their effect on plant growth regulators, what do the temperature and light control in the plants?
- (1) Apical dominance
 - (2) Flowering
 - (3) Closure of stomata
 - (4) Fruit elongation
82. Photoperiodism is perceived by:
- (1) tobacco flower
 - (2) potato tuber
 - (3) tomato leaf
 - (4) cotton boll
83. In callus, shooting is initiated by
- (1) Ethylene
 - (2) Auxin
 - (3) Cytokinin
 - (4) Gibberellin
84. Phototropic curvature is the result of uneven distribution of:
- (1) gibberellin
 - (2) phytochrome
 - (3) cytokinins
 - (4) auxin
85. Na^+/K^+ pump in a cell is an example of
- (1) osmosis
 - (2) diffusion
 - (3) passive transport
 - (4) active transport
86. Which of the following is a symbiotic nitrogen fixer?
- (1) *Azotobacter*
 - (2) *Frankia*
 - (3) *Azolla*
 - (4) *Glomus*
87. A free living nitrogen-fixing cyano-bacterium which can also form symbiotic association with the water fern *Azolla* is
- (1) *Tolypothrix*
 - (2) *Chlorella*
 - (3) *Nostoc*
 - (4) *Anabaena*
88. Chlorophyll-a and Chlorophyll-b shows maximum absorption in _____ regions of visible light
- (1) blue, violet and red
 - (2) red, indigo and green
 - (3) yellow, blue and red
 - (4) blue, violet and green
89. Cytochrome C oxidase contain
- (1) Mn
 - (2) Mg
 - (3) Zn
 - (4) Cu
90. Which of the following effects of auxins is of wide application?
- (1) Induction of seed development
 - (2) Induction of shoot initiation
 - (3) Prevention of abscission
 - (4) All of the above