

Multiple choice Questions

- A. Which of the following hastens the ripening of fruits?
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|-------------|-----------------|
| 1) auxins | 3) giberrellins |
| 2) ethylene | 4) cytokinins |
- B. Auxins promote the following.
- | | |
|-----------------------|---------------------|
| 1) Shedding of fruits | 3) leaf fall |
| 2) bud dormancy | 4) apical dominance |
- C. Ageing in plants can be delayed by spraying:
- | | |
|-----------------|-------------|
| 1) giberrellins | 3) ethylene |
| 2) cytokinins | 4) Auxins |
- D. Response of a plant towards surface or contact is called:
- | | |
|-----------------|------------------|
| 1) Phototropism | 3) thigmotropism |
| 2) geotropism | 4) tropism |
- E. Mosement of a plant towards water is an ezample of:
- | | |
|-----------------|-------------------------|
| 1) phototropism | 3) hydrotropism |
| 2) geotropism | 4) haptonastic movement |

II. Give one word for the following

- Plant hormone that promotes cell division.
- Plant hormone also known as stress hormone.
- A gaseous plant growth regulator.
- Movements of a plant towards or away from direction of a stimulus.
- Bending of shoot towards light.

III. State whether true or false

- Gibberellins delay leaf ageing.
- Auxins are produced at shoot tips.
- Cytokinins promote lateral buds.
- Absciscic acid brings ripening of fruits.
- Ethylene causes closure of stomata during drought.

IV. Fill in the blank

- The tropic movements in a plant are in adirection.
- Roots are said to beas they grow towards the gravity.
-and..... are growth inhibitor hormones.
-causes delay in the ageing of leaves.
-promote growth of shoot tip and apical dominance.

V. Differentiate between the following

- Auxins and ethylene
- Plant growth promoters and inhibitors
- Geotropism and phototropism
- Tropic and nastic plant movements

VI. Short Answer Questions

- Name two plant growth promoter hormones.
- Name hormones associated with growth inhibiting activities like seed dormancy and shedding of leaves
- Where are auxins present in a plant?
- What is the effect of gibberellins on buds?
- In which part of plant are cytokinins produced?
- What is the effect of ethylene on fruits?
- What is tropism?
- Give an example of phototropism.
- What is chemotropism?
- What are nastic movements in plants?