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## **Previous questions in Plant Growth and Reproduction**

1.	Which one of the following is produced during stress conditions which leads to closure of stomata 1994							
	1. Auxin	2. ABA	3. Cytokinin	4. Gibberellin				
2.	Phytotron is				1999			
	1. Fish culture facili	ity	2. Plant hormone	-				
	3. Secondary metabolite		4. Controlled plant culture facility.					
3.	Coconut milk factor	is		20	000; 2003			
	1. An auxin	2. A gibberellins	3. Abscissic acid	4. Cytokinin				
4.	<i>Nicotiana sylvestris</i> flowers only during long days and <i>Nicotiana tabacum</i> flowers only during short days. If raised in the laboratory under different photoperiods, they can be induced to flower at the same time and can be cross fertilized to produce self-fertile offsprings. What is the best reason for considering <i>N.sylvestris</i> and <i>N.tabacum</i> to be separate species 2003							
	1. They cannot inter	breed in nature	2. They are reprod	uctively distinct				
	3. They are physiologically distinct4. They are morphologically distinct							
5.	Zn is useful in auxin	n synthesis as it causes	formation of		2003			
	1. Tryptophane	2. Methionine	3. IAA oxidase	4. NADH <sub>2</sub>				
6.	The maximum grow	th rate occurs in			2004			
	1. Stationary phase	2. Senescent phase	3. Lag phase	4. Exponential phase				
7.		2005						
1. It reduces the vigor of the plant								
	2. The seeds canno	2. The seeds cannot be stored under normal conditions for the next season						
3. The seeds exhibit long dormancy								
C	4. It adversely affects the fertility of the plant							
8.	Parthenocarpic tomato fruits can be produced by							
	1. Treating the plants with phenylmercuric acetate							
2. Removing androecium of flowers before pollen grains are released								
	3. Treating the pla	cids and auxins						
4. Raising the plants from vernalized seeds								
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How does pruning h	elp in making the hed	ge dense			2006		
1. It releases wound	hormones						
2. It induces the differentiation of new shoots from the root stock							
3. It frees axillary l	ouds from apical dom	ninance					
4. The apical shoot grows faster after pruning							
Opening of floral buds into flowers is a type of							
1. Autonomic move	ment of variation	2. Paratonic mov	vement of growth		$\downarrow$		
3. Autonomic move	ement of growth	4. Autonomic m	ovement of locomo	otion			
"Foolish seedling" d	lisease of rice led to th	e discovery of			2007		
1. ABA	2. 2,4 D	3	. IAA	<b>4.</b> GA			
Which one of the fo	llowing acids is a deriv	vative of carotinoid	s		2009		
1. Gibberellic acid2. Abscissic acid3. Indole butyric acid4. Indole-3-acetic acid							
One of the following is not a synthetic auxin is 2009							
1. GA	2. IBA	3. NAA	<b>4. IA</b>	A			
			gibberellins ?		2012		
	<ol> <li>It releases wound</li> <li>It induces the diff</li> <li>It frees axillary b</li> <li>The apical shoot g</li> <li>Opening of floral bu</li> <li>Autonomic moves</li> <li>Autonomic moves</li> <li>Autonomic moves</li> <li>Autonomic moves</li> <li>Modeling" d</li> <li>ABA</li> <li>Which one of the following</li> <li>GA</li> <li>Which one of the following</li> <li>GA</li> <li>Which one of the following</li> <li>GA</li> </ol>	1. It releases wound hormones         2. It induces the differentiation of new shote         3. It frees axillary buds from apical dome         4. The apical shoot grows faster after prune         Opening of floral buds into flowers is a type         1. Autonomic movement of variation         3. Autonomic movement of growth         "Foolish seedling" disease of rice led to the         1. ABA       2. 2,4 D         Which one of the following acids is a derive         1. Gibberellic acid       2. Abscissic acid         One of the following is not a synthetic auxous         1. GA       2. IBA         Which one of the following generally acts	<ul> <li>2. It induces the differentiation of new shoots from the root states a state a state a state a state a state a pruning</li> <li>4. The apical shoot grows faster after pruning</li> <li>Opening of floral buds into flowers is a type of</li> <li>1. Autonomic movement of variation</li> <li>2. Paratonic movement of growth</li> <li>3. Autonomic movement of growth</li> <li>4. Autonomic movement of growth</li> <li>4. Autonomic movement of growth</li> <li>4. Autonomic movement of growth</li> <li>5. Autonomic movement of growth</li> <li>4. Autonomic movement of growth</li> <li>4. Autonomic movement of growth</li> <li>4. Autonomic movement of a state a stat</li></ul>	<ol> <li>It releases wound hormones</li> <li>It induces the differentiation of new shoots from the root stock</li> <li>It frees axillary buds from apical dominance</li> <li>The apical shoot grows faster after pruning</li> <li>Opening of floral buds into flowers is a type of</li> <li>Autonomic movement of variation</li> <li>Paratonic movement of growth</li> <li>Autonomic mov</li></ol>	<ul> <li>1. It releases wound hormones</li> <li>2. It induces the differentiation of new shoots from the root stock</li> <li>3. It frees axillary buds from apical dominance</li> <li>4. The apical shoot grows faster after pruning</li> <li>Opening of floral buds into flowers is a type of</li> <li>1. Autonomic movement of variation 2. Paratonic movement of growth</li> <li>3. Autonomic movement of growth 4. Autonomic movement of locomotion</li> <li>"Foolish seedling" disease of rice led to the discovery of</li> <li>1. ABA 2. 2, 4 D 3. IAA 4. GA</li> <li>Which one of the following acids is a derivative of carotinoids</li> <li>1. Gibberellic acid 2. Abscissic acid 3. Indole butyric acid 4. Indole-3-acetic acid</li> <li>One of the following is not a synthetic auxin is</li> <li>1. GA 2. IBA 3. NAA 4. IAA</li> <li>Which one of the following generally acts as an antagonist to gibberellins ? <ul> <li>(1) IAA (2) Zeatin (3) Ethylene (4) ABA</li> </ul> </li> </ul>		