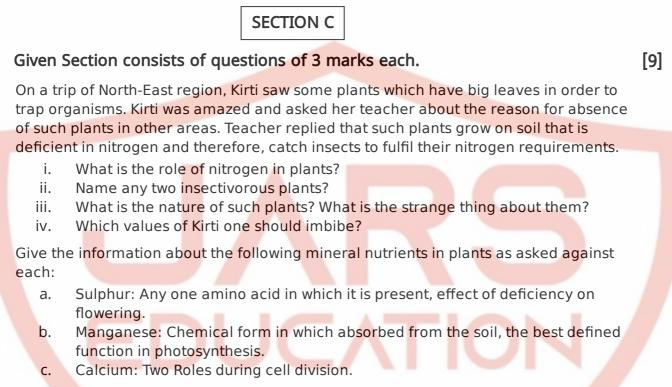


Jars Education

Shop no. 2,3,4 hendre pada Badlapur west thane

Time : 1 hour 15 MinuteSTD 11 Science BiologyTotal Marks : 40Chapter Based Test					
	Immet: Finder is winder Chapter Based Test Chapter Based Test SECTION A SECTION A * Choose The Right Answer From The Given Options.[1 Marks Each] [5] 1. Plants die from prolonged water-logging because. (A) Cell sap in the plants becomes too dilute. (B) Root respiration stops. (C) Nutrients leach down due to excess water. (D) Soil nutrients become very dilute. (2) Mineral and vitamins are called? (A) Macronutrients (A) Macronutrients (B) Micronutrients (C) Carbohydrates (D) Both A and B 3. Which of the following is not absorbed through soil? (A) Carbon (A) Carbon (B) Nitrogen (C) Potassium (D) All of the above 4. Which of the following is not performed by root hairs? (A) Oxygen uptake. (B) CO2 uptake. (C) Water uptake. (D) Mineral uptake.				
	SECTION A				
*	Choose The Right Answer From The Given	Options.[1 Marks Each]	[5]		
1.					
2.					
	(A) Macronutrients	(B) Micronutrients			
	(C) Carbohydrates	(D) Both A and B			
3.	Which of the following is not absorbed through	soil?			
4.					
5.					
	A) Manganese. (B) Iron.	(C) Cobalt. (D) Zinc.			
*					
		ch of the following is not performed by root hairs? Dxygen uptake. (B) CO ₂ uptake. Water uptake. (D) Mineral uptake. element needed for synthesis of chlorophyll, is: anganese. (B) Iron. (C) Cobalt. (D) Zinc. wer The Following Questions In One Sentence.[1 Marks Each] [6] o proved that the mineral passes through xylem and not phloem? tramic acid plays an essential role in synthesis of amino acid.			
6.	o proved that the mineral passes through xylem and not phloem? tamic acid plays an essential role in synthesis of amino acid.				
7.	Glutamic acid plays an essential role in synthesis of amino acid. Name the most crucial enzyme found in root nodules for N_2 fixation. Does it require a				
8.	special pink coloured pigment for its functioni	-			
9.	Name the amino acid in which sulphur is present.				
10.	Which component of electron transport conta	ins both iron and sulphur?			
11.	Mark the odd one in the following group.				
	Iron, Boron, Manganese, Magnesium.				
	SECTION B]			
*	Given Section consists of questions of 2 m	arks each.	[10]		
1.	Name two organic forms of nitrogen that are t	ransported through xylem.	-		
	-	-			

- 2. The technique of solution culture has been developed to avoid contamination. Justify. How?
- 3. Name the four elements needed by only some higher plants, as mineral nutrients.
- 4. Mineral elements play a paramount role in the performance and maintenance of life activities of a plant. If agree, Justify giving any four important reasons.
- 5. What are two macronutrients which are not obtained through soil as mineral nutrition? What is their importance?



3. Carnivorous plants exhibit nutritional adaptation. Citing an example explain this fact.

SECTION E

* Given Section consists of questions of 5 marks each.

*

1.

2.

[10]

- 1. Mention any five functions performed by essential elements in plants.
- 2. Complete the following table by filling the blanks marked (A-F) below.

Essential	Macro or Micro/ Region of	Function	Dificiency	
element	requirement	- 1		
Boron	Micro/ apical leaves and seeds	Elongation of pollen	(A)	
11.1		tube	i	
(B)	Micro/ whole plant	Involved in OXi-red	Development of	
		reactions	necrotic spots	
Phosphorus	(C)	(D)	Structed plants	
Magnesium	Macro/ growing areas of root	(E)	(F)	
	and stems			