

EXERCISE – I (Conceptual Question)**Build Up your Understanding**

- Which of the group of elements is not essential for a normal plant ?
(1) K, Ca, Mg (2) Fe, Zn, Mn, B (3) Pb, I, Na (4) Mg, Fe, Mo
- Hydroponics is a technique in which plants are grown in?
(1) Green house (2) Water saturated sand
(3) Balanced nutrient solution (4) Purified distilled water
- For chlorophyll formation a plant needs :-
(1) Fe, Ca & light (2) Fe, Mg & Light (3) Ca, K & light (4) Mn & Cu
- Brown heart rot of beets is due to deficiency of-
(1) B (2) p (3) Mg (4) Mo
- Die back disease in citrus is due to deficiency of :-
(1) Mo (2) B (3) Cu (4) Zn
- The disease related with deficiency of molybdenum is:-
(1) Whiptail disease of cauliflower (2) Little leaf disease
(3) Reclamation disease of cereals (4) Brown heart disease
- Protoplasmic elements are :-
(1) C, H, O, P, N, S (2) C, H, O, Fe, N
(3) N, S, Fe, P, K (4) Fe, Mg, Ca, N, P
- Which element is not considered as macronutrient ?
(1) Mg (2) Ca (3) Mn (4) p
- The element which can not be placed along with micronutrients :-
(1) Mn (2) Mo (3) Cu (4) Ca
- The amino acid having S in its composition is-
(1) Cystine (2) Cysteine (3) Methionine (4) All
- The group of mineral nutrients known as frame work elements :-
(1) N, S, P (2) C, H, O (3) Mg, Fe, Zn (4) Zn, Mn, Cu
- Which element essential for stability of chromosome structure ?
(1) Zn (2) Ca (3) Mo (4) Fe
- "Reclamation" and "Little leaf" disease, caused by deficiency of -
(1) Zn and Mo (2) Cu and Zn (3) Cu and B (4) Mn and Cu
- Which element is required in comparatively least quantity for the growth of plant ?
(1) Zn (2) N (3) p (4) Ca

15. Which of the following essential element is not properly placed in the given category ?
 (1) Cu (2) Zn (3) Mg (4) Mn
16. Which mineral nutrients are called critical element for crops?
 (1) N, P, K (2) C, H, O (3) N, S, Mg (4) K, Ca, Fe
17. Which is most common free ion present in a cell ?
 (1) p (2) K (3) Fe (4) B
18. Active uptake of minerp.ls depends upon :-
 (1) Active water absorption (2) Transpiration
 (3) Photorespiration (4) Dephosphorylation
19. When chlorophyll is burnt, which one obtained ?
 (1) Fe (2) Mg (3) Ca (4) Mn
20. Which element related with Khaira disease, of Paddy & auxin synthesis :-
 (1) Fe (2) Zn (3) B (4) Cu
21. Generally plants absorbed N_2 in the form of :
 (1) NO_2^- (2) NO_3^- (3) $N = N$ (4) HNO_2
22. The most abundant element present in the plants is-
 (1) Iron (2) Carbon (3) Nitrogen (4) Manganese
23. Which is essential for N_2 metabolism ?
 (1) B (2) Mo (3) Cu (4) Mg
24. The major portion of the dry weight of plants comprises of :-
 (1) Nitrogen, phosphorus and potassium (2) Calcium, magnesium and sulphur
 (3) Carbon, nitrogen and hydrogen (4) Carbon, hydrogen and oxygen
25. Gray spots of Oat are caused by deficiency of :
 (1) Cu (2) Zn (3) Mn (4) Fe

ANSWER KEY

EXERCISE-I (Conceptual Question)

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| 1. | (3) | 2. | (3) | 3. | (2) | 4. | (1) | 5. | (3) | 6. | (1) | 7. | (1) |
| 8. | (3) | 9. | (4) | 10. | (4) | 11. | (2) | 12. | (2) | 13. | (2) | 14. | (1) |
| 15. | (3) | 16. | (1) | 17. | (2) | 18. | (4) | 19. | (2) | 20. | (2) | 21. | (2) |
| 22. | (2) | 23. | (2) | 24. | (4) | 25. | (3) | | | | | | |