

SELF ASSESSMENT TEST

(Chapter 7 : Plant growth and mineral nutrition)

Time : 1 Hour]

[Marks : 20

Notes :

1. All questions are compulsory.
2. Figures to the right indicate full marks.

SECTION – A

Q. 1. Multiple Choice Questions (MCQ) :

(1 mark each)

- (i) Which of the following is required for stimulation of flowering in plants?
(a) Adequate oxygen (b) Definite photoperiod
(c) Adequate water (d) Water and minerals [1]
- (ii) Essential macro elements are
(a) manufactured during photosynthesis
(b) produced by enzymes
(c) obtained from soil
(d) produced by growth hormones [1]
- (iii) Necrosis means
(a) yellow spot on the leaves
(b) death of tissue
(c) darkening of green colour in leaves
(d) wilting of leaves [1]
- (iv) Conversion of nitrates to nitrogen is called
(a) ammonification (b) nitrification
(c) nitrogen fixation (d) denitrification [1]

Q. 2. Very Short Answer Questions (VSA) :

(1 mark each)

- (i) What is a grand period of growth? [1]
(ii) Give characteristic features of meristematic cells. [1]

SECTION – B

Q. 3. Short Answer Questions (SA - I) :

(2 marks each)

- (i) Match the columns : [2]

Column 'A'	Column 'B'
(1) Auxin	(a) Bolting in rosette plants
(2) Cytokinin	(b) Stimulate flowering in SDP
(3) Gibberellins	(c) Promotion of growth of lateral buds
(4) Abscissic acid	(d) Apical dominance

- (ii) Give definitions of (a) Photomorphogenesis (b) Vernalization. [2]

SECTION – C

Q. 4. Short Answer Questions (SA - II) :

(3 marks each)

- (i) Write a short note on plasticity. [3]
- (ii) Enlist the role of following minerals and the symptoms caused due to their deficiency : (a) Calcium (b) Boron and (c) Chlorine [3]

SECTION – D

Q. 5. Long Answer Questions (LA) :

(4 marks)

Explain sigmoid growth curve with the help of diagram. [4]

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