

NEET PLANT GROWTH AND DEVELOPMENT — ETHYLENE AND ABSCISIC ACID — PYQS

Max. Marks: 48

Questions: 12

Section A (MCQ) — 12 questions

Q.1 Match **List-I** with **List-II** : [RE-NEET (UG) 2024]

List-I		List-II	
A.	Absciscic acid	I.	Promotes female flowers in cucumber
B.	Ethylene	II.	Helps seeds to withstand desiccation
C.	Gibberellin	III.	Helps in nutrient mobilisation
D.	Cytokinin	IV.	Promotes bolting in beet, cabbage etc.

- (1) A-II, B-III, C-IV, D-I (2) A-III, B-II, C-I, D-IV
(3) A-II, B-I, C-IV, D-III (4) A-II, B-I, C-III, D-IV

Scan or tap for the full solution 

Q.2 Which hormone promotes internode/petiole elongation in deep water rice? [NEET (UG) 2023]

- (1) Kinetin (2) Ethylene
(3) 2,4-D (4) GA₃

Scan or tap for the full solution 

Q.3 The gaseous plant growth regulator is used in plants to: [NEET (UG) 2022]

- (1) speed up the malting process
(2) promote root growth and root hair formation to increase the absorption surface
(3) help overcome apical dominance
(4) kill dicotyledonous weeds in the fields

Scan or tap for the full solution 

Q.4 Production of Cucumber has increased manifold in recent years. Application of which of the following phytohormones has resulted in this increased yield as the hormone is known to produce female flowers in the plants: [NEET (UG) 2022]

- (1) ABA (2) Gibberellin
(3) Ethylene (4) Cytokinin

Scan or tap for the full solution 

Q.5 It takes very long time for pineapple plants to produce flowers. Which combination of hormones can be applied to artificially induce flowering in pineapple plants throughout the year to increase yield? [NEET (UG) 2019]

- (1) Gibberellin and Absciscic acid
(2) Cytokinin and Absciscic acid
(3) Auxin and Ethylene
(4) Gibberellin and Cytokinin

Scan or tap for the full solution 

Q.6 Which one of the following growth regulators is known as 'stress hormone'? [AIPMT 2014]

- (1) Absciscic acid (2) Ethylene
(3) GA₃ (4) Indole acetic acid

Scan or tap for the full solution 

Q.7 Which one of the following generally acts as an antagonist to gibberellins? [AIPMT 2012 (Mains)]

- (1) Zeatin (2) Ethylene
(3) ABA (4) IAA

Scan or tap for the full solution 

Q.8 Root development is promoted by

[AIPMT 2010 (Mains)]

- (1) absciscic acid (2) auxin
(3) gibberellin (4) ethylene

Scan or tap for the full solution 

Q.9 Which one of the following acids is a derivative of carotenoids? [AIPMT 2009]

- (1) Indole-3-acetic acid (2) Gibberellic acid
(3) Absciscic acid (4) Indole butyric acid

Scan or tap for the full solution 

Q.10 Seed dormancy is due to the [AIPMT 2002]

- (1) ethylene (2) absciscic acid
(3) IAA (4) starch

Scan or tap for the full solution 

Q.11 Hormone responsible for senescence is

[AIPMT 2001]

- (1) ABA (2) auxin (3) GA (4) cytokinin

Scan or tap for the
full solution



Q.12 Which hormone is responsible for fruit ripening?

[AIPMT 2000]

- (1) Ethylene (2) Auxin
(3) Ethyl chloride (4) Cytokinin

Scan or tap for the
full solution



ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	11
Ans.	3	2	2	3	3	1	3	4	3	2	1
Ques.	12										
Ans.	1										