



PO-426

Seat No. _____

B. Sc. (Sem. IV) Examination

April / May - 2016

EC - Biotechnology

(Plant Hormones)

Time : Hours]

[Total Marks : 50

1 MCQ type :

06

- (1) Auxin promotes
 - (A) Cell elongation
 - (B) Cambium activity
 - (C) Callus formation
 - (D) All
- (2) Identify mismatch
 - (A) IAA (B) Cytokinins
 - (C) Gibberellins (D) Ethylene.
- (3) Compare to animal hormones plant hormones are _____
 - (A) Complex macromolecules made of proteins.
 - (B) Complex macromolecules made of steroids
 - (C) Small inorganic compounds.
 - (D) Small organic compounds.
- (4) _____ hormone is responsible for closure of stomata.
 - (A) Auxin (B) Abscisic acid
 - (C) Cytokinin (D) Gibberellins
- (5) Give full form of GA in GA1, GA2.
- (6) Define hormone.

2 Write a short note on any FOUR of the followings : 24

- (1) Functions of ethylene.
- (2) Mode of actions of ABA
- (3) Synthetic hormones
- (4) Give difference between animal and plant hormones.
- (5) Draw the chemical structure of Auxin and Cytokinin
- (6) General functions of plant hormones.

3 Give a detailed account on any two of the followings : 20

- (1) Give a detailed account on auxins.
 - (2) Give an account on hormones which inhibit growth in plants.
 - (3) Explain Gibberellins as plant hormones.
 - (4) Give a detailed account on cytokinins.
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