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KAI-1285 Seat No._____

B. Sc. (Sem. IV) Examination

April / May - 2013

Biotechnology

(ECS - 4 - II : Plant Hormone)

(Elective Subjective Course)

Time : 2 Hours] [Total Marks : 50

1 Give the answer of Multiple Choice Question 7

(i) Find out the odd one.

(A) Auxin
(B) Insulin
(C) Cytokinin
(D) Gibberellin

(ii) Indole-3-acetic acid is nothing but one type of _____ .

(A) Auxin
(B) Animal hormone
(C) Cytokinin
(D) Gibberellin

(iii) _____is a flowering hormone, also known as florigen.

(A) Auxin
(B) Abscisic Acid
(C) Cytokinin
(D) Gibberellin

(iv) _____hormone is produced by Gibberella fujikuroi fungi.

(A) Auxin
(B) Abscisic Acid
(C) Cytokinin
(D) Gibberellin

(v) _____hormone is important in control of Dwarfism .
(A) Auxin
(B) Abscisic Acid
(C) Cytokinin
(D) Gibberellin

(vi) _____hormone is important in Cell division.
(A) Auxin
(B) Abscisic Acid
(C) Cytokinin
(D) Gibberellin

(vii) _____hormone induces Dormancy.
(A) Auxin
(B) Abscisic Acid
(C) Cytokinin
(D) Gibberellin

2 Briefly explain : (any six) **18**

(i) Explain functions of cytokinin.
(ii) Give brief account on
(iii) Define: Phyto hormone and gives its types.
(iv) What are functions of Gibberellins ?
(v) What is the effect of hormones on shoot and root formation?
(vi) What is the effect of hormones on Fruiting?
(vii) What means by Growth promoter?
(viii) Give negative effects of auxin.

3 Write short notes on : (any three) **15**

(i) Mechanism of action of Morphactins
(ii) Physiological role of Cytokinins
(iii) How does Abscisic Acid act?
(iv) Types of auxins.
(v) Compare the Plant hormone with Animal hormone.

4 Discuss in detail : (any one) **10**

(i) Physiological role of growth promoting plant hormones.

(ii) Functions of growth retarding growth hormones.
