



HBY-1035

Seat No. _____

B. Sc. (Sem. VI) Examination

April / May - 2015

Biotechnology

(ES : Plant Hormones)

Time : 2 Hours]

[Total Marks : 50

1 Answer all questions. Each question carries 1 mark.

(10x1=10M)

1.1 Which hormones can increase internodes?

- (A) NAA (C) 2.4D
(B) GA (D) KIN

1.2 Plant cell synthesis hormones

- (A) Apical bud (C) Lateral cells
(B) Pranchyma cells (D) A + B

1.3 Shoots induce with combination of hormones

- (A) IAA+NAA (C) BAP+2,4,D
(B) ABA+GA (D) None of these

1.4 Fruit ripen Hormones known as

- (A) ABA (C) Ethylene
(B) GA (D) PBA

1.5 Animal has duct glands these called as

- (A) Exocrine (B) Endocrine
(C) Epicrine (D) Lipocrine

1.6 Write full form of followings

1. GA
2. ABA
3. BA
4. NAA
5. IBA

2 Answer any five questions each carries 6 marks

(6x5=30)

- 2.1 Explain plant growth
- 2.2 Describe plant growth and role of hormones
- 2.3 Explain types of cytokines with examples
- 2.4 Describe function of ABA
- 2.5 Explain physiological role of inhibitors
- 2.6 Describe difference of Plant and animal hormones
- 2.7 Explain cell, cell division and differential.

3 Answer any one questions each carries 10 marks

(10x1=10)

- 3.1 Describe types & role of auxin.
- 3.2 Explain applications of hormones in plant tissue culture.