



AAA-1831 Seat No. \_\_\_\_\_

**B. Sc. (Biotechnology) (Sem. VI) Examination**

March / April - 2018

**Plant Hormones**

*(Elective Subjective)*

Time : 2 Hours]

[Total Marks : 50

1 Answer all questions. Each question carries 10×1=10  
1 mark :

(1.1) Which hormones break dormancy of seeds ?

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

(1.2) Phytohormones synthesis from

- (A) Apical bud (C) Lateral cells  
(B) Pranchyma cells (D) None of them

(1.3) Auxins are

- (A) NAA (C) BAP  
(B) GA (D) None of these

(1.4) Examples of inhibitors in plants growth :

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

(1.5) Animal has duct glands these called as

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

AAA-1831 ]

1

[ Contd...

(1.6)-(1.10) Write full form of followings :

(1) IAA

(2) NAA

(3) BAP

(4) KIN

(5) IBA

2 Answer any five questions each carries 6 marks :  $6 \times 5 = 30$

(2.1) Define plant growth with examples

(2.2) Describe role of hormones with examples

(2.3) Explain types of auxins

(2.4) Describe function of ABA

(2.5) Explain physiological role of inhibitors

(2.6) Describe difference of Plant and animal hormones

3 Answer any one question each carries 10 marks :  $10 \times 1 = 10$

(3.1) Describe types and role of cytokinins

(3.2) Write applications of hormones in plant biotechnology.