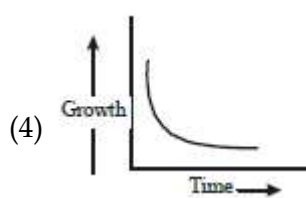
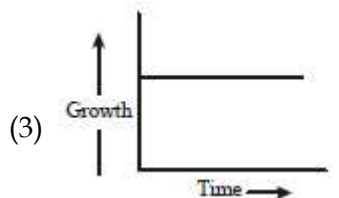
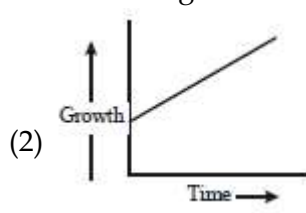
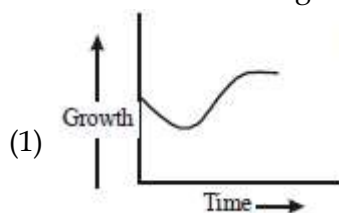


141. Difference between kinetin and zeatin w.r.t plants is  
 (1) Kinetin is active, zeatin is non active                      (2) Zeatin is active, kinetin is more active  
 (3) Zeatin is synthetic, kinetin is natural                      (4) Zeatin is natural , kinetin is not natural
142. **Statement: I** Growth is regarded as one of the most fundamental and characteristic feature of all living organisms.  
**Statement: II** Growth can be defined as reversible and temporary increase in the size or volume of organ or its parts or even of an individual cell or whole organism.  
 (1) If Both statement I and statement II are correct  
 (2) If Both statement I and statement II are incorrect  
 (3) If statement I is correct and statement II is incorrect  
 (4) If statement I is incorrect and statement II is correct
143. Which of the following hormone stimulates closure of stomata in response to water stress?  
 (1) IAA                      (2) ABA                      (3) NAA                      (4) IBA
144. Match the columns and find out the correct combination:

A	Auxin	1	Early seed production in conifers
B	Gibberellin	2	Chloroplast formation
C	ABA	3	Inhibits seed germination
D	Cytokinin	4	Xylem differentiation
		5	Root hair formation

- (1) A-3                      B-4                      C-1                      D-2  
 (2) A-5                      B-3                      C-2                      D-1  
 (3) A-4                      B-1                      C-3                      D-2  
 (4) A-2                      B-5                      C-4                      D-1
145. Phototropic curvature is the result of uneven distribution of:  
 (1) gibberellin                      (2) phytochrome                      (3) cytokinins                      (4) auxin
146. Which one of the following generally acts as an antagonist to gibberellins?  
 (1) Zeatin                      (2) Ethylene                      (3) ABA                      (4) IAA
147. Which of the following shows the correct graph of arithmetic growth?



148. Match Column I with Column II

**Column-I**

- A. Auxin  
 B. Cytokinin  
 C. Gibberellin  
 D. Ethylene

**Column-II**

1. Herring sperm DNA  
 2. Inhibitor of growth  
 3. Apical dominance  
 4. Epinasty

E. Abscisic acid

(1) A → 3; B → 1; C → 5; D → 4; E → 2

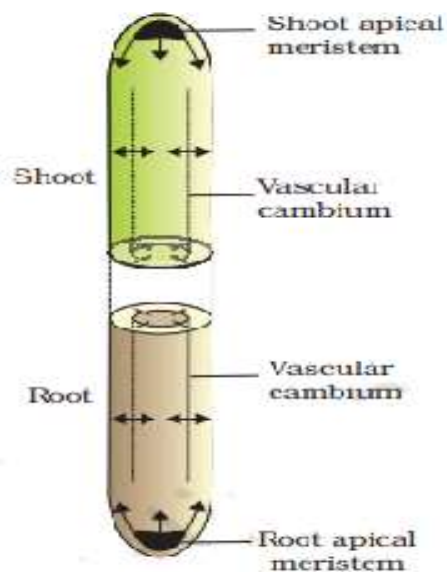
(3) A → 2; B → 1; C → 5; D → 3; E → 4

5. Induces amylase synthesis

(2) A → 4; B → 5; C → 1; D → 3; E → 2

(4) A → 3; B → 1; C → 5; D → 2; E → 4

149. Diagrammatic representation of location of root apical meristem, shoot apical meristem and vascular cambium. What is exhibited by arrows?



(1) Direction of growth of cells

(3) Both (1) & (2)

(2) Direction of growth of organ

(4) Direction of growth inhibition

150. Match Column I with Column II

**Column I**

A. Zeatin

B. Florigen

C. IBA

D. NAA

(1) A → 3; B → 1; C → 4; D → 2

(3) A → 2; B → 1; C → 4; D → 3

**Column II**

1. Flowering hormone

2. Natural auxin

3. Cytokinin

4. Synthetic auxin

(2) A → 3; B → 4; C → 1; D → 2

(4) A → 1; B → 2; C → 3; D → 4