## EINSTEIN'S ACADMEY

## 10<sup>TH</sup> SCIENCE

UNIT- 16

			MARKS – 50		
I Choose the correct ans	wer				
			10 x 1 = 10		
1. Which one is referred as "Master Gland"?					
a) Pineal gland	b) Pituitary gland				
c) Thyroid gland	d) Adrenal gland				
2. LH is secreted by					
a) Adrenal gland	b) Thyroid glar	nd			
c) Anterior pituitary	d) Hypothalam	nus.			
3. Gibberellins cause					
a) Shortening of genetical	ally tall plants	b) Elongation of dwarf plants			
c) Promotion of rooting		d) Yellowing of young flowers			
4. Which one of the following hormones is naturally not found in plants:					
a) 2, 4-D	b) GA3				
c) Gibberellin	d) IAA				
5. Avena coleoptile test was conducted by					
a) Darwin	b) N. Smit				
c) Paal	d) F.W. Went				
6. To increase the sugar production in sugarcanes they are sprayed with					
a) Auxin	b) Cytol	kinin			
c) Gibberellins	d) Ethyl	ene			
7. Identify the exocrine gland					
a) Pituitary gland	b) Adrena	l gland			
c) Salivary gland	d) Thyroic	l gland			
8. The hormone which has positive effect on apical dominance is					
a) Cytokinin	b) Auxin				

d) Ethylene

c) Gibberellin

a) Pancreas	b) Kidney				
c) Liver	d) Lungs				
10	_causes stomatal closure				
a) Auxin	b) Abscisic Acid				
c) Gibberellins	d) Ethylene				
II Fill in the bla	nks		2x1 = 2		
1ripening.	is a gaseous hormone involved in	a abscission of organs and acceleration of fruit			
2. In the islets of Langerhans, beta cells secrete					
III Match Colur	nn I with Columns II and III				
			(5)		
Auxin	- Gibberella fujikuroi	- Abscission			
Ethylene	- Coconut milk	-Internodal elongation			
Abscisic acid	- Coleoptile tip	- Apical dominance			
Cytokinin	- Chloroplast	- Ripening			
Gibberellins	- Fruits	- Cell division			
IV State whether True or false, If false write the correct statement					
			2x1=2		
1. A plant horn mobilization is		of cell division and promotion of nutrient			
2. Estrogen is s	ecreted by corpus luteum.				
V. Short answe	r questions(any 8 )		8x2=16		
1. a) Which hormone promotes the production of male flowers in Cucurbits?					
b) Name the hormones which regulates water and mineral metabolism in man?					
2. What will you do to prevent leaf fall and fruit drop in plants? Support your answer with reason.					
3. What is the role of parathormone?					

9. Which organ acts as both exocrine gland as well as endocrine gland

- 4. What are the hormones secreted by posterior lobe of the pituitary gland? Mention the tissues on which they exert their effect.
- 5. Senthil has high blood pressure, protruded eyeball and an increased body temperature. Name the endocrine gland involved and hormone secretion responsible for this condition.
- 6. What are synthetic auxins? Give examples.
- 7. What is bolting? How can it be induced artificially?
- 8. What are chemical messengers.
- 9. Write the differences between endocrine and exocrine gland.
- 10. Bring out any two physiological activities of abscisic acid.
- VI. Long answer questions (any 3)

3x5 = 15

- 1. Where are estrogens produced? What is the role of estrogens in the human body?
- 2. (a) Name the gaseous plant hormone. Describe its three different actions in plants.
- (b) Which hormone is known as stress hormone in plants? Why?
- 3. What are the conditions which occur due to lack of ADH and insulin? How are the conditions different from one another?
- 4. Write the physiological effects of Gibberellins.