

# QB365 Question Bank Software Study Materials

## Plant and Animal Hormones 50 Important 1 Marks Questions With Answers (Book Back and Creative)

10th Standard

Science

Total Marks : 50

### Multiple Choice Question

50 x 1 = 50

- 1) Gibberellins cause:  
(a) Shortening of genetically tall plants    **(b) Elongation of dwarf plants**    (c) Promotion of rooting  
(d) Yellowing of young leaves
- 2) The hormone which has positive effect on apical dominance is:  
(a) Cytokinin    **(b) Auxin**    (c) Gibberellin    (d) Ethylene
- 3) Which one of the following hormones is naturally not found in plants.  
**(a) 2, 4-D**    (b) GA3    (c) Gibberellin    (d) IAA
- 4) Avena coleoptile test was conducted by  
(a) Darwin    (b) N. Smit    (c) Paal    **(d) F.W. Went**
- 5) LH is secreted by  
(a) Adrenal gland    (b) Thyroid gland    **(c) Anterior pituitary**    (d) Hypothalamus.
- 6) Identify the exocrine gland  
(a) Pituitary gland    (b) Adrenal gland    **(c) Salivary gland**    (d) Thyroid gland
- 7) Which organ acts as both exocrine gland as well as endocrine gland  
**(a) Pancreas**    (b) Kidney    (c) Liver    (d) Lungs
- 8) Which one is referred as "Master Gland"?  
(a) Pineal gland    **(b) Pituitary gland**    (c) Thyroid gland    (d) Adrenal gland
- 9) Auxins were identified by \_\_\_\_\_  
(a) Darwin    (b) Kogi    **(c) Went**    (d) Funk
- 10) \_\_\_\_\_ is a growth inhibitor.  
(a) Auxin    (b) GA    (c) Cytokinin    **(d) Ethylene**
- 11) \_\_\_\_\_ is not a function of thyroid.  
(a) BMR    (b) Body temperature    (c) Carbo hydratemetabolism    **(d) Anti-allergic**
- 12) \_\_\_\_\_ promotes the development and enlargement of all tissues of the body.  
**(a) GH**    (b) TSH    (c) GTH    (d) ACTH
- 13) \_\_\_\_\_ is found in the chloroplast of plants.  
(a) Auxin    **(b) Abscisic Acid**    (c) Ethylene    (d) Cytokinin
- 14) Gibberellins are efficient than \_\_\_\_\_ in inducing the formation of seedless fruit.  
**(a) Auxin**    (b) Cytokinin    (c) Ethylene    (d) Abscisic Acid

- 15) Thyroid gland requires \_\_\_\_ of iodine everyday for the production of thyroxine.  
**(a) 120 µg** (b) 110 µg (c) 100 µg (d) 150 µg
- 16) \_\_\_\_ is known as father of Endocrinology.  
**(a) Thomas Addison** (b) W. M. Bayliss (c) E. H. Starling (d) Frits Warmolt Went
- 17) The mineralocorticoids secreted by Zona glomerulosa is \_\_\_\_  
**(a) aldosterone** (b) testosterone (c) estrogen (d) progesterone
- 18) \_\_\_\_ first crystallised thyroxine hormone.  
**(a) Edward C. Kendal** (b) George Barger (c) W. M. Bayliss (d) E. H. Starling
- 19) The other name of Antidiuretic hormone is  
**(a) vasopressin** (b) oxytocin (c) prolactin (d) growth hormone
- 20) \_\_\_\_ helps in the breakdown of glycogen to glucose in the liver.  
 (a) Ephinephrine (b) Norepinephrine **(c) Glucagon** (d) Insulin
- 21) The \_\_\_\_ secrete glucagon.  
**(a) Alpha cells** (b) Beta cells (c) Leydig cells (d) Chromaffin cells
- 22) Which of the following plant hormone is responsible for seed germination?  
 (a) Auxin **(b) Gibberellin** (c) Ethylene (d) Abscisic acid
- 23) Name the first naturally occurring cytokines.  
 (a) Neoxanthin (b) Xanthoxin **(c) Zeatin** (d) Isopentenyl adenine
- 24) Which of the following plant hormone causes a delay in leaf senescence?  
 (a) Abscisic acid (b) Ethylene (c) Auxin **(d) Cytokines**
- 25) Name the stress hormone of the plant.  
 (a) Brassinosteroid **(b) Abscisic acid** (c) Cytokines (d) Ethylene
- 26) The hormone \_\_\_\_\_ acts on bone, kidney and intestine to maintain blood calcium levels.  
 (a) Thyroxine **(b) Parathormone** (c) Oxytocin (d) vasopressin
- 27) \_\_\_\_\_ were the first plant hormones discovered.  
**(a) Auxins** (b) Cytokinins (c) Gibberellins (d) Abscisic Acid
- 28) \_\_\_\_\_ are the plant hormones that promote cell division or cytokinesis in plant cells.  
**(a) Cytokinins** (b) Auxins (c) Gibberellins (d) Abscisic Acid
- 29) An amino acid tyrosine and \_\_\_\_\_ are involved in the formation of thyroid hormone.  
 (a) Calcium (b) Iron **(c) Iodine** (d) Nitrogen
- 30) \_\_\_\_\_ is caused due to the inadequate supply of iodine in our diet.  
**(a) Goitre** (b) Grave's disease (c) Diabetes (d) Hyperglycemia
- 31) \_\_\_\_\_ inhibits the elongation of stem  
 (a) Cytokinins (b) Gibberellins **(c) Ethylene** (d) Auxin
- 32) \_\_\_\_\_ breaks the dormancy of buds, seeds and storage organs.

- (a) Cytokinins (b) Gibberellins **(c) Ethylene** (d) Auxin
- 33) An amino acid \_\_\_\_\_ and iodine are involved in the formation of thyroid hormone.  
(a) Alanine **(b) Tyrosine** (c) Valine (d) Glycine
- 34) The alpha cells of pancreas secrete \_\_\_\_\_.  
**(a) Glucagon** (b) Insulin (c) Valine (d) Glycogen
- 35) It stimulates protein synthesis and controls muscular growth  
(a) Estrogens (b) Thymosin (c) Progesterone **(d) Testosterone**
- 36) It is essential for the formation of placenta  
(a) Estrogens (b) Thymosin **(c) Progesterone** (d) Testosterone
- 37) It is also known as life-saving hormone  
(a) Thymosin **(b) Cortisol** (c) Adrenaline (d) Epinephrine
- 38) It is also known as emergency hormone  
(a) Thymosin (b) Cortisol **(c) Adrenaline** (d) Insulin
- 39) 'Influence' that was observed by Charles Darwin is \_\_\_\_\_  
(a) Gibberellins (b) 2 - 4D **(c) Auxin** (d) cytokinins
- 40) \_\_\_\_\_ observed Bakanae disease in rice crops.  
(a) Darwin **(b) Kurosawa** (c) F.W.Went (d) Koal
- 41) The gland, composed of two distinct lobes lying one on either side of the trache is \_\_\_\_\_  
(a) Pineal **(b) Thyroid** (c) Pituitary (d) pancreas
- 42) Pancreas acts as \_\_\_\_\_ gland.  
(a) exocrin (b) endocrin **(c) both (a) & (b)** (d) flying
- 43)  $\text{Metal} + \text{Acid} \rightarrow \text{Salt} + \text{_____}$ .  
**(a) Oxygen** (b) Water (c) Hydrogen (d) Carbon
- 44) Copper is more reactive than \_\_\_\_\_.  
(a) silver (b) gold (c) platinum **(d) all of these**
- 45) The acid, helps in digestion of food in stomach is  
(a)  $\text{H}_2\text{SO}_4$  (b)  $\text{HNO}_3$  **(c) HCl** (d)  $\text{H}_3\text{PO}_4$
- 46) When Potassium Iodide reacts with lead nitrate, we get \_\_\_\_\_ as a yellow precipitation.  
**(a) Lead Iodide** (b) Potassium Nitrate (c) Potassium Iodide (d) Lead Nitrate
- 47) When temperature increases, the speed of reaction \_\_\_\_\_.  
**(a) Increases**
- 48) The pH value of coffee is \_\_\_\_\_.  
**(a) 5.6**
- 49) When we add water in acid, its pH value \_\_\_\_\_.  
**(a) Increases**

50) pH of a substance is 9. When we add acid in it, its pH value \_\_\_\_\_.

**(a) will decrease**