**Neha Malhotra** **R.L. Institute M: 9416974837**

**Max Time : 1 hr** **Class = 11th Biology Test Max Marks : 30**

**Topic: Chemical Co-ordination & Integration**

1. Multiple choice questions : [ 1 X 5 = 5]
2. GnRH a hypothalamic hormone , needed in reproduction acts on :

a) Anterior pituitary gland and stimulates secretion of LH and oxytocin

b) Anterior pituitary gland and stimulates secretion of LH and FSH

c) Posterior pituitary gland and stimulates secretion of FSH and oxytocin

d) Posterior pituitary gland and stimulates secretion of LH and relaxin

1. The blood calcium level is lowered by the deficiency of :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Parathormone | b) thyroxine | c) calcitonin | d) Both (a) & (c) |

1. Graves’s diseases is caused due to :

|  |  |
| --- | --- |
| a) Hyposecretion of thyroid hormone | b) Hypersecretion of thyroid hormone |
| c) Hyposecretion of adrenal hormone | d) Hypersecretion of adrenal hormone |

1. Acromegaly is caused by :

|  |  |
| --- | --- |
| a) Excess of STH | b) excess of thyroxin |
| c) deficiency of thyroxin | d) Excess of adrenaline |

1. In the mechanism of action of a protein hormone, one of the second messenger is :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Cyclic AMP | b) Insulin | c) T3 | d) Gastrin |

1. Name the hormone whose deficiency cause diabetes mellitus and diabetes insipidus. [ 2 ]
2. Describe the effect on hypersecretion of Insulin. [ 2 ]
3. Write a short note on Thymus gland. [ 2 ]
4. List the properties of Hormones. [ 2 ]
5. What is the role of testosterone in males and estrogen in females. [ 3 ]
6. Briefly mention the mechanism of action of FSH. [ 3 ]
7. Define the following : [ 3 ]

(a) Exocrine gland (b) Endocrine gland (c) hormone

1. Give an account of following adrenal cortex hormone : [ 3 ]

(a) Mineralocorticoids (b) Glucocorticoids (c) Sexcorticoids

1. Expand the following : [ 5 ]

(a) ACTH (b) TSH (c) ADH (d) FSH (e) PTH