

BIOLOGY ASSIGNMENT NO. 12 CHEMICAL COORDINATION & INTEGRATION

- Q1. Define hormone, ductless glands and exocrine glands.
- Q2. How are anterior & posterior pituitary regulate the functioning of body? Name the hormones released by hypothalamus.
- Q3. Discuss the role of hypothalamus & pituitary as a coordinated unit in maintaining physiological process.
- Q4. Name the hormones secreted by the Pituitary gland and write the function of each.
- Q5. Enumerate the source & function of each of the following:-
(a) Melatonin (b) Glucocorticoids (c) Anti – diuretic hormone (d) Thyroxin
(d) Oxytocin (f) Parathyroid Hormone (g) Epinephrine
- Q6. Describe the physiological functions and disorders of thyroid hormones.
- Q7. Draw dorsal & ventral side of thyroid & parathyroid glands.
- Q8. Write briefly about the endocrine gland which helps to combat stress.
- Q9. Explain the following:- (a) Insulin lowers blood sugar level.
(b) Adrenal cortex maintains the balance of water and electrolytes in our body. (c)Glucocorticoids are anabolic steroids.
- Q10. Explain the role of the following hormones / proteins with reference to control of human male reproductive system:-
(a) GnRH (b) LH (c) Testosterone (d) FSH
- Q11. How is the blood pressure reduced by non-endocrine glands in our body?
- Q12. Four major peptide hormones are secreted by GI tract. Name the hormones & also mention their function.
- Q13. Differentiate between mechanism of action of protein & steroid hormone.