

Chapter – 19 | Chemical Coordination and Integration

QUIZ
PART-03

1. Pineal gland secretes:

- A. Melatonin
- B. Thyroxine
- C. PTH
- D. Cortisol (A)

Explanation : Pineal gland secretes melatonin.

2. Melatonin regulates:

- A. Sleep-wake rhythm
- B. Blood glucose only
- C. Calcium absorption only
- D. Spermatogenesis only (A)

Explanation : It controls daily biological rhythms.

3. Thyroid gland is:

- A. H-shaped
- B. S-shaped
- C. Circular
- D. Spiral (A)

Explanation : Thyroid is pink and H-shaped.

4. Thyroid lobes are connected by:

- A. Isthmus
- B. Corpus luteum
- C. Medulla
- D. Stroma only (A)

Explanation : Isthmus connects two thyroid lobes.

5. Iodine is needed for synthesis of:

- A. T3 and T4
- B. Insulin and glucagon
- C. ADH and oxytocin
- D. Estrogen and progesterone (A)

Explanation : Thyroid hormones require iodine.

6. Iodine deficiency may cause:

- A. Goitre
- B. Diabetes insipidus
- C. Addison's disease
- D. Acromegaly (A)

Explanation : Lack of iodine causes thyroid enlargement.

7. Hypothyroidism in pregnancy may cause:

- A. Cretinism
- B. Gigantism
- C. Hyperglycemia
- D. Diuresis (A)

Explanation : It affects fetal growth and mental development.

8. Exophthalmic goitre is also called:

- A. Graves' disease
- B. Addison's disease
- C. Diabetes mellitus
- D. Dwarfism (A)

Explanation : Graves' disease is a form of hyperthyroidism.

9. Thyrocalcitonin regulates:

- A. Calcium level
- B. Blood glucose
- C. Milk production
- D. Uterine contraction (A)

Explanation : TCT controls blood calcium level.

10. Thyroid hormones regulate:

- A. Basal metabolic rate
- B. Only hearing
- C. Only vision
- D. Only digestion (A)

Explanation : T3 and T4 regulate BMR and metabolism.