

CHEMICAL COORDINATION & INTEGRATION

1. Gland which is major regulator of metabolism and development process is :-
 (1) Pituitary gland
 (2) Thyroid gland
 (3) Pineal gland
 (4) Adrenal gland
2. Position of thyroid gland is :-
 (1) At upper side of Larynx
 (2) On either side of trachea
 (3) At junction of trachea & Larynx
 (4) (2) & (3) both
3. Storage of iodothyronine occurs into :-
 (1) Connective tissue band of thyroid gland
 (2) Inside the thyroid follicular cell
 (3) In blood stream
 (4) Extra cellular space of thyroid gland
4. Gland which is neuroectodermal in origin ?
 (1) Thymus gland
 (2) Thyroid gland
 (3) Adrenal cortex
 (4) Posterior pituitary gland
5. Find out the correct match :-
 (1) Insulin – Hyperglycemic effect
 (2) STH – Hypoglycemic effect
 (3) Epinephrine – Hyperglycemic effect
 (4) Thyroxine – Decrease amino acid uptake
6. Cancer of pituitary gland generally causes which of the following :-
 (1) Vision problems
 (2) Hearing problems
 (3) decreases insulin secretion
 (4) More PRL secretion
7. Which of the following hormone functions through generating second messengers?
 (1) Iodothyroglobulin
 (2) Estrogen
 (3) Adrenaline
 (4) Estradiole
8. Which of the following is not related with pineal gland?
 (1) Defense capability
 (2) RBC formation
 (3) Menstrual cycle regulation
 (4) Pigmentation
9. Which of the following is true for thyroid gland ?
 (1) Thyroid lobes are connected through non glandular isthmus
 (2) Intracellular hormone storage is unique to thyroid
 (3) Thyroxine derived from arginine amino acid
 (4) 'C' cells are major constituent of thyroid gland increase Ca^{+2} in ECF.
10. Thyroid gland secretes hormone mostly in the form of :-
 (1) TSH (2) Tri-iodothyronine
 (3) Tetra iodothyronine (4) Calcitonin
11. Gland which helps in development of immune system of body :-
 (1) Adrenal gland (2) Thyroid gland
 (3) Thymus gland (4) Pituitary gland
12. Which of the following hormone stimulates breakdown of glycogen and increases blood glucose concentration ?
 (1) Hormone of β -cell of pancreas
 (2) Hormone of adrenal medulla
 (3) Hormone of parathyroid
 (4) Hormones of pineal gland
13. Find out the incorrect match :-
 (a) PTH – Decreases Ca^{+2} absorption from intestine
 (b) Adrenaline – Piloerection
 (c) Glucocorticoids – Immune system suppression
 (d) Melatonin - T-cell differentiation
 options :-
 (1) (a), (b) (2) (b), (c)
 (3) (a), (c) (4) (a), (d)
14. Which one regulates growth of mammary glands?
 (a) PRL (b) Estrogen
 (c) Progesteron (d) Adrenalin
 options :-
 (1) a, b, d (2) a, b, c
 (3) a, c, d (4) b, c, d

- 15.** Diurnal rhythms of human body are related with
(1) Adrenaline (2) Cortisol
(3) Melatonin (4) Thymosin
- 16.** Which one is actually synthesized in hypothalamus ?
(1) Cortisol (2) Oxytocin
(3) ACTH (4) STH
- 17.** Find out the correct match :-
(1) Oxytocin – Milk synthesis
(2) FSH – Maintains corpus luteum
(3) Thyroxine – Requires I_2 and glycine
(4) Vasopressin – Transport through neural axon
- 18.** Which one supports red blood cell formation?
(a) Thyroxine (b) Cortisol
(c) PTH (d) ACTH
(1) (c), (d) (2) (b), (d)
(3) (a), (b) (4) (b), (c)
- 19.** Hormones of fight and flight are :-
(1) Cortisol and adrenaline
(2) Only adrenaline
(3) Adrenaline and noradrenaline
(4) Insulin and glucagon
- 20.** Which of the following hormones helps in duct formation in mammary gland
(1) Testosterone (2) Progesterone
(3) Estrogen (4) LH
- 21.** Hormone is :-
(1) Non nutrient chemical
(2) Intercellular messengers
(3) Produced in traces
(4) All of these
- 22.** Which one is not an organised endocrine gland of human body ?
(1) Pancreas (2) Pituitary gland
(3) Adrenal gland (4) Kidney
- 23.** Vigorous contraction of uterus at time of delivery is regulated by activity of :-
(1) Adrenal cortex hormone
(2) Anterior pituitary hormone
(3) Posterior pituitary hormone
(4) α -cell of pancreas
- 24.** Which one is secreted from hypothalamus and inhibits mitotic divisions of bones?
(1) Growth hormone (2) Thyroxine
(3) Cortisol (4) Somatostatin
- 25.** Hypothalamic portal system regulates activity of :-
(1) Medulla of adrenal gland
(2) Pancreatic acini
(3) Adenohypophysis
(4) Melatonin secreting cells

ANSWERS KEY

Que.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Ans.	2	4	4	4	3	1	3	2	1	3	3	2	4	2	3	2	4	3	3	3
Que.	21	22	23	24	25															
Ans.	4	4	3	4	3															