

Topic :-Chemical Coordination & Integration

- Glucagon is secreted by
 - Adrenal medulla
 - β -cells of islets of Langerhans
 - α -cells of islets of Langerhans
 - Adrenal cortex
- Which of the following is the function of adrenaline?
 - Helps in gastric juice secretion
 - Increase heart rate and blood pressure
 - Increase blood calcium
 - Helps in milk secretion
- Pineal gland of human brain secretes melatonin concerned with
 - Anger
 - Body temperature
 - Colouration of skin
 - Sleep
- Islets of Langerhans are found in
 - Anterior pituitary
 - Kidney cortex
 - Spleen
 - Endocrine pancreas
- Increase of heart beat
 - Increase of respiration rate
 - Stimulate breakdown of glycogen
 - Stimulate breakdown of lipid and proteinStatement written above are the features of which hormone
 - PTH
 - TCT
 - Thymosin
 - Catecholamine
- In previous question *B* consists of which cells that secretes adrenaline and nor-adrenaline
 - Modified nerve cells
 - Chromaffin cells
 - Chief cells
 - Both (b) and (c)
- Cretinism, mental retardation, low intelligence quotient, abnormal skin, deaf-mutism, etc. are the results of
 - Hyperthyroidism
 - Goitre
 - Hypothyroidism
 - Both (b) and (c)
- Increase in bleeding time and delay in blood coagulation is due to the deficiency of which hormone?
 - Adrenaline
 - Noradrenaline
 - Parathormone
 - Thyroxine
- LH and FSH are collectively called

- a) Oxytocin b) Somatotrophins c) Luteotrophins d) Gonadotrophins
10. Large number of hormones are secreted by
a) Pituitary b) Thyroid c) Hypothalamus d) Adrenal
11. Sella turcica protects our
a) Liver b) Thyroid c) Adrenals d) Pituitary
12. Vitamin that has similar action as the parathormone is
a) Vitamin-A b) Vitamin-B c) Vitamin-C d) Vitamin-D
13. Hormone that promotes cell division, protein synthesis and bone growth is
a) ADH b) ACTH c) PTH d) GH
14. Significant role of calcium balance in the body is maintained by
a) PTH and FSH b) PTH and TCT c) TCT and FSH d) TCT and GH
15. Which of them are the second messengers?
I. Cyclic AMP
II. IP₃
III. Ca²⁺
The correct option is
a) I and II b) II and III c) I and III d) I, II and IV
16. Lipid soluble hormone works by interacting with
a) Intracellular receptors b) Intercellular receptors
c) Enzymes d) Producing enzymes
17. In situation of fear, in blood there is increase of
a) Insulin b) Androgen c) Adrenaline d) Oestrogen
18. Which hormone /gland acts in biological clocks?
a) Thyroid b) Thymus c) Adrenal d) Pineal
19. The gland which performs both endocrine and exocrine function is
a) Adrenal b) Thyroid c) Pancreas d) Pituitary
20. Mammalian prolactin is secreted by
a) Adenohypophysis b) Neurohypophysis c) Adrenal cortex d) Adrenal medulla

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