

Class : XIth
Date :

Subject : BIOLOGY
DPP No. : 8

Topic :- Chemical Coordination & Integration

- How many Islets of Langerhans are present in normal human pancreas?
a) 1 to 2 million b) 2 to 3 million c) 3 to 4 million d) 4 to 5 million
- Depict the correct line of the hormone
a) α -glucagon, β - insulin, δ -somatostatin b) α -insulin, β -glucagon, δ - somatostatin
c) δ - insulin, α - somatostatin, β -glucagon d) α - somatostatin, β - insulin, δ - glucagon
- Diabetes mellitus takes place only when
a) α -cells of pancreas are in excess b) β -cells of pancreas are in excess
c) α - cells of pancreas are in hypo d) β - cells of pancreas are in hypo
- Major roles of thymus gland in humans is/are
a) Differentiation of T-lymphocytes b) Differentiation of B-lymphocytes
c) Promote production of antibodies d) Both (a) and (c)
- The hydrophilic hormones interact with ...A... . While the hydrophobic hormones interact with ...B...
Choose the correct option for A and B
a) A-cell membrane receptors; B-nuclear receptors
b) A-nuclear receptors; B-cell membrane receptors
c) A-intracellular receptors; B-nuclear receptors
d) A-nuclear receptors; B-intracellular receptors
- Melatonin is secreted by
a) Skin b) Thymus c) Pituitary d) Pineal gland
- 'ANF' is
a) Steroidal in nature b) Peptide hormone
c) Glucocorticoid hormone d) Mineralocorticoid hormone
- The formation of egg and sperm is affected by
a) LH b) MH c) TSH d) FSH

9. Pituitary gland is divided into
 a) Adenohypophysis and neurohypophysis b) Adenohypophysis and pars distalis
 c) Adenohypophysis and pars intermedia d) Adenohypophysis and anterior pituitary
10. Pigmentation of skin in humans is maintained by
 a) FSH b) LH c) MSH d) ACTH
11. Storing and release of vasopressin and oxytocin is done by
 a) Adenohypophysis b) Neurohypophysis c) Hypothalamus d) Thyroid
12. Gluconeogenesis, lipolysis and proteolysis processes are stimulated by
 a) Glucocorticoids b) Mineralocorticoids c) Both (a) and (b) d) None of the above
13. Hypothalamus releases two types of hormones mainly
 a) Stimulating hormones; Releasing hormones
 b) Stimulating hormones; Inhibiting hormones
 c) Exocrine hormones; Inhibiting hormones
 d) Exocrine hormones; Stimulating hormones
14. Pair of ovary located of female (human)
 a) Outside the abdomen b) Inside the abdomen
 c) Inside the scrotal sac d) Inside the inguinal canal
15. Hormone responsible for the secretion of milk after parturition is
 a) ICSH b) Prolactin c) ACTH d) LH
16. T_3 and T_4 hormones are synthesised by
 a) Follicles b) Stromal tissue c) Isthmus d) Both (a) and (c)
17. Insulin and glucagon are transported to target organ by
 a) Lymph b) Blood c) Pancreatic duct d) Cystic duct
18. The 'amino acid derivative' among the following hormone is
 a) Insulin b) Epinephrine c) Oestradiol d) Testosterone
19. GIP (Gastric Inhibitory Peptide)
 a) Inhibits the gastric secretion and motility b) Inhibits the gastric secretion only
 c) Activate the gastric secretion and motility d) Activate the gastric secretion only
20. Absorption of water in DCT is controlled by
 a) ADH b) ACTH c) LH d) Oxytocin