

Class : XIth
Date :

Subject : BIOLOGY
DPP No. : 2

Topic :- Chemical Coordination and Integration

- Sertoli cells are regulated by the pituitary hormone known as
a) FSH b) GH c) Prolactin d) LH
- Which of the following is gastrointestinal hormone?
a) Prolactin b) Enterogastrone c) GH d) FSH
- Islets of Langerhans in a normal human pancreas comprise only
a) 2-3% of pancreatic tissue b) 1-2% of pancreatic tissue
c) 3-4% of pancreatic tissue d) 4-5% of pancreatic tissue
- Which is the function of norepinephrine?
a) Increase blood pressure b) Urine formation
c) Increase secretion of adrenaline d) None of the above
- Correct order of action of hydrophilic hormones
I. Hormones bind to plasma membrane
II. Physiological response
III. Biochemical response
IV. Generation of secondary messenger
Choose the correct option
a) I, II, III, IV b) II, I, III, IV c) I, IV, III, II d) III, I, II, IV
- To yield more milk, cow is injected with
a) Sorbitol b) Prolactin c) Gonadotrophs d) Sterol
- FSH (Follicle stimulating hormone) is produced by
a) Adrenal cortex b) Anterior pituitary lobe
c) Middle pituitary lobe d) Posterior pituitary lobe
- Calcium level decreases in the blood due to hyposecretion of
a) Parathyroid hormone b) Calcitonin c) Thyroxine d) Adrenaline

9. I. Somatostatin inhibits intestinal absorption of glucose
 II. Leydig's cell secrete progesterone
 III. Melatonin is secreted by pineal gland
 IV. Myxoedema is a thyroid disorder
 V. Neurohypophysis secreted ACTH
 Select the correct statements and choose the option
 a) I, III and IV b) II, III and V c) I, IV and V d) II, IV and V
10. Hypothyroidism causes
 a) Myxoedema b) Cretinism c) Both (a) and (b) d) Exophthalmic goitre
11. Which one of the following is not an endocrine gland?
 a) Kidney b) Thyroid c) Adrenal d) Pituitary
12. Pituitary gland is derived from
 a) Ectoderm b) Endoderm c) Mesoderm d) None of these
13. 'ANF' is secreted by
 a) Venous wall of heart b) Atrial wall of heart c) Both (a) and (b) d) None of these
14. Tyrosine is the precursor of
 a) Adrenaline b) Noradrenaline c) Testosterone d) Both (a) and (b)
15. Which one of the following four glands is correctly matched with the accompanying description?
 a) Thyroid — Hyperactivity in young children cause cretinism
 b) Thymus — Starts undergoing atrophy after puberty
 c) Parathyroid — Secretes parathormone, which promotes movements of Calcium ions from blood into bones during calcification
 d) Pancreas — Delta cells of islets of Langerhans secrete a hormone, which Stimulates glycolysis in liver
16. Generally the steroid hormones are derived from
 a) Proteins b) Carbohydrates c) Cholesterol d) Glycoprotein
17. Which hormone causes dilation of blood vessels, increased oxygen consumption and glycogenolysis?
 a) ACTH b) Insulin c) Adrenaline d) Glucagon
18. In Cushing's syndrome, there is
 a) An increase in blood glucose level b) Hypertrophy of the skeletal muscles
 c) A fall in plasma cortisol d) A thickening of the skin

19. Progesterone is secreted by
a) Corpus luteum b) Uterus c) Placenta d) Graafian follicle
20. Thymus gland releases hormone
a) T_4 b) T_3 c) Thymosins d) TCT

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