

Topic :- Chemical Coordination & Integration

- Goiter can occur as a consequence of all the following except
 - Iodine deficiency
 - Pituitary adenoma
 - Grave's disease
 - Excessive intake of exogenous thyroxine
- ADH deficiency shows which of the following condition?
 - Polydipsia
 - Polyuria
 - Both (a) and (b)
 - Glucosuria
- Which one affects liver, muscle and adipose tissue?
 - Androgen
 - Insulin
 - Progesterone
 - Glucagon
- Hormones released by the neurosecretory cells in hypothalamus regulate the ...A... gland. Mainly the neurosecretory hormones are of B... type. Here A and B refers to
 - A-pineal; B-two
 - A-pituitary; B-three
 - A-pineal; B-three
 - A-pituitary; B-two
- Which of the following statements is correct regarding hypothalamic control of pituitary function?
 - All the hypothalamic hormones are synthesized and secreted by neurons
 - Blood flows from the anterior pituitary to the hypothalamus in the portal vessels
 - The hypothalamic releasing hormones reach the general circulation in significant amounts
 - Loss of dopaminergic neurons in the hypothalamus is likely to lead to a fall in the secretion of prolactin
- Diabetes is characterised by
 - Polyuria
 - Polydipsia
 - Polyphagia
 - Hyperglycemia
 - Glycosuria
 - Ketosis
 - Acidosis
 - ComaThe option with correct characters is
 - I, II, III, IV, V, VI and VIII
 - I, II, III, IV, V, VII and VIII
 - I, II, III, IV, V, VI, VII and VIII
 - I, II, III, IV, VI, VII and VIII
- Which of the following two hormones are essential for induced breeding of fishes?

- a) TSH and ACTH
c) FSH and LH
- b) Oestrogen and progesterone
d) Vasopressin and oxytocin
8. Which of the following statements are true/false
I. Calcitonin regulates the metabolism of calcium.
II. Oxytocin stimulates contraction of uterine muscles during birth.
III. Grave's disease is caused by malfunctioning of adrenal gland.
IV. ADH stimulates absorption of water and increase the urine production.
a) I and III are true; II and IV are false
b) I and II are true; III and IV are false
c) I and IV are false; II and IV are true
d) I, II and III are true; IV only false
9. Amino acid derivative hormone is
a) Insulin
b) Oxytocin
c) Erythropoietin
d) Thyroxine
10. I. Sleep-wake cycle II. Body temperature
III. Pigmentation IV. Metabolism
V. Defence capability
All of the above written activities are influenced/regulated by
a) Pineal gland
b) Parathyroid gland
c) Thymus gland
d) Adrenal gland
11. Which of the following diseases is not related to thyroid gland?
a) Myxedema
b) Acromegaly
c) Cretinism
d) Goitre
12. Which of the following is true for the effect of steroid hormone?
a) Fast and short term
b) Fast and long lasting
c) Slow and short term
d) Slow and long lasting
13. A person passes much urine and drinks much water but his blood glucose level is normal. This condition may be the result of
a) A reduction in insulin secretion from pancreas
b) A reduction in vasopressin secretion from posterior pituitary
c) A fall in the glucose concentration in urine
d) An increase in secretion of glucagon
14. Volume of urine is regulated by
a) Aldosterone
b) Aldosterone, ADH and testosterone
c) Aldosterone and ADH
d) ADH alone
15. The source of somatostatin is same as that of
a) Thyroxin and calcitonin
b) Insulin and glucagon
c) Somatotrophin and prolactin
d) Vasopressin and oxytocin
16. Cell division, protein synthesis, growth of muscle, growth of bones are regulated by
a) Growth hormone
b) TSH
c) ACTH
d) None of these

17. Which hormone is secreted in woman if pregnancy has occurred?
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|------------------------|----------------------------|
| a) Oestrogen | b) Progesterone |
| c) Luteinizing hormone | d) Chorionic gonadotrophin |
18. Disorder related with thyroid gland is
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|----------------------|------------------|-----------------|--------------|
| a) Diabetes mellitus | b) Hypercalcemia | c) Osteoporosis | d) Myxoedema |
|----------------------|------------------|-----------------|--------------|
19. The hormone which regulates sleep-wake cycle in man is
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|-------------|----------------|--------------|--------------|
| a) Oxytocin | b) Vasopressin | c) Thyroxine | d) Melatonin |
|-------------|----------------|--------------|--------------|
20. Which of the following is not true for hormones?
- They are not available again after the process is over
 - Hormones are directly poured into blood
 - They induce or inhibit bio- chemical processes
 - Each and every hormone of human is always chemically protein.

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