

EXERCISE-3

(FOR COMPETITIVE EXAMS)

1. Endocrine glands put their secretions directly into :-
(A) ducts (B) blood (C) both (D) none of these
2. The first hormone to be isolated was :-
(A) thyroxine (B) testosterone (C) epinephrine (D) secretin
3. According to the accepted concept of hormone action, if receptor molecules are removed from target organs :-
(A) the target organ will continue to respond to the hormone without any difference
(B) the target organ will continue to respond to the hormone but will require higher concentration
(C) the target organ will not respond to the hormone
(D) the target organ will continue to respond to the hormone but in the opposite way
4. In an accident the anterior pituitary of a four year old boy was severely damaged but the boy survived. What is likely to happen :-
(A) High levels of thyroxine will be released (B) Spermatogenesis will be released
(C) The boy will not grow much in height (D) The growth of mammary glands will be stimulated
5. A gorilla like man with huge hand and legs. This is due to the abnormal secretion of :-
(A) pituitary FSH (B) pituitary LH (C) pituitary GH (D) thyroid
6. LH and FSH are called :-
(A) antistress hormones (B) gonadotropic hormones
(C) emergency hormone (D) neurohormones
7. FSH is to estrogen as LH is to :-
(A) vasopressin (B) testosterone (C) progesterone (D) LTH
8. In a pregnant woman having prolonged labour pains, its childbirth has to be hastened. It is advisable to administer a hormone that can :-
(A) activate the smooth muscles (B) increase the metabolic rate
(C) release glucose into the blood (D) stimulate the ovary
9. Diabetes insipidus is the syndrome which results due to the :-
(A) failure of neurohypophysial system to inhibit the excess release of ADH
(B) failure of neurohypophysial system to produce or release ADH
(C) inability of pituitary to produce oxytocin
(D) inability of pituitary to release ACTH
10. If a rat was given an injection of sodium iodide with radioactive iodine, then in which one of the following most of the iodine would be incorporated ?
(A) Cartilage (B) Thyroid (C) Lymph nodes (D) Parathyroid
11. Failure of insulin production results in :-
(A) addison's disease (B) cushing's disease (C) diabetes insipidus (D) diabetes mellitus
12. The gland whose hormone affects the functions of many other endocrine glands is :-
(A) thyroid gland (B) pituitary gland (C) pancreas (D) parathyroid
13. Injecting a tadpole with thyroxine would lead to :-
(A) giant but normal tadpoles (B) precocious metamorphosis
(C) stoppage of metamorphosis (D) atrophy of gonads
14. A very high level of calcium in the blood suggests malfunction of the :-
(A) parathyroid (B) thyroid (C) thymus (D) adrenal gland
15. Cortisone is used for the treatment of inflammation, allergy and arthritis. Which of the following endocrine glands produces cortisone :-
(A) Thyroid (B) Pancreas (C) Adrenal (D) Gonads

ANSWER KEY

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|-------|------|-------|-------|-------|-------|-------|
| 1. B | 2. D | 3. C | 4. C | 5. C | 6. B | 7. C |
| 8. A | 9. B | 10. B | 11. D | 12. B | 13. B | 14. A |
| 15. C | | | | | | |