

INDIAN SCHOOL NIZWA
CLASS XI: SUB : BIOLOGY – CH 19 MCQS

1. Which of the following hormones is responsible for the reabsorption of sodium ions and water?

- a) Adrenaline
- b) Glucocorticoids
- c) Aldosterone
- d) Oxytocin

2. The α -cells of the Islet of Langerhans secrete which hormone to increase blood glucose levels?

- a) Insulin
- b) Glucagon
- c) Somatostatin
- d) Amylin

3. Which gland is both an endocrine gland (ductless) and an exocrine gland (with a duct)?

- a) Thyroid gland
- b) Adrenal gland
- c) Pancreas
- d) Pituitary gland

4. Which of the following hormones is *not* a steroid hormone?

- a) Estrogen
- b) Progesterone
- c) Testosterone
- d) Insulin

5. GnRH, a hormone from the hypothalamus, stimulates the anterior pituitary gland to release which hormones?

- a) Oxytocin and ADH
- b) FSH and LH
- c) Prolactin and Growth Hormone
- d) TSH and ACTH

6. Which hormone is responsible for regulating osmotic pressure and body fluid volume?

- a) Oxytocin
- b) Prolactin
- c) Aldosterone
- d) Antidiuretic Hormone (ADH)

7. The thymus gland is responsible for the production of:

- a) Erythropoietin
- b) Thymosins
- c) Melatonin
- d) Insulin

8. Which of the following hormones are known as gonadotrophins?

- a) LH and Oxytocin
- b) LH and vasopressin
- c) LH and FSH
- d) FSH and Oxytocin

9. Which of the following is not a function of LH and FSH in females?

- a) Induces ovulation
- b) Secretion of androgens
- c) Maintaining corpus luteum
- d) Stimulates the growth of follicles

12. Catecholamines are secreted by the _____

- a) posterior pituitary
- b) anterior pituitary
- c) adrenal cortex
- d) adrenal medulla

ASSERTION /REASONS

1. **Assertion :** Failure of secretion of somatotropin from an early age causes dwarfism in the patient.

Reason : Somatotropin hormone stimulates the body growth and elongation of long bones. A

2. **Assertion:** Neurohypophysis is under the direct regulation of the hypothalamus.

Reason: Neurohypophysis stores and releases two hormones called oxytocin and vasopressin which are actually synthesized by the hypothalamus.C

3. **Assertion:** Failure of secretion of hormone vasopressin causes diabetes mellitus in the patient.

Reason: Vasopressin increases the volume of urine by increasing the reabsorption of water from the urine. D

4. **Assertion :** Diabetes insipidus is marked by excessive urination and too much thirst of water.

Reason : Anti-diuretic hormone (ADH) is secreted by the posterior lobe of pituitary gland.B