



BIOLOGY

NCERT - FULL MARKS BIOLOGY(TAMIL)

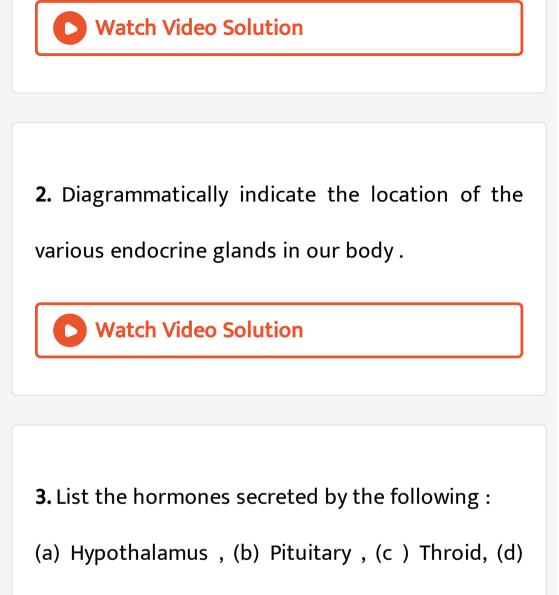
CHEMICAL COORDINATION AND INTEGRATION



1. Define the following:

(a) Exocrine gland , (b) Endocrine gland, (c)

Hormone

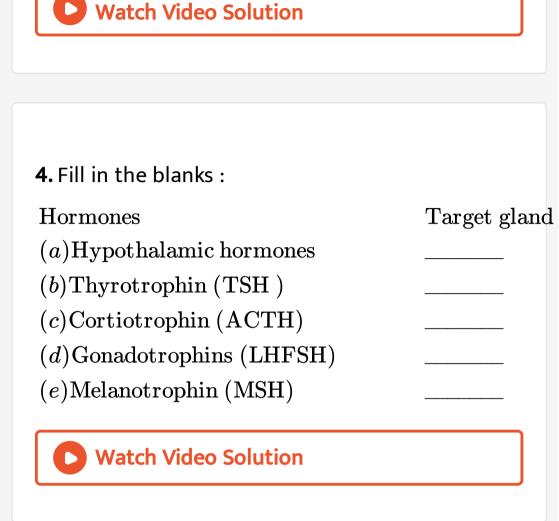


Parathyroid

(e) Adrenal, (f) Pancreas, (g) Testis , (h) Ovary

(i) Thymus, (j) Actrium , (k) Kidney, (I) G-I Tract





5. What short notes on the functions of the following hormones :

(a) Parathyroid hormone (PTH) , (b) Thyroid

hormones, (c) Thymosins

(d) Androgens, (e) Estrogetns, (f) Insuling and

Glucagon

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6. Give example(s) of :

(a) Hyperglycemic hormone and hypoglycemic

hormone

(b) Hypercalcemic hormone

(c) Gonadotrophic hormones

(d) Progestational hormone

(e) Blood pressure lowering hormone

(f) Androens and estrogens



7. Which hormonal deficiency is reponsible for the

following?

(a) Diabetes mellitus, (b) Goitre, (c) Cretinism

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8. Briefly mention the mechanism of action of FSH .

9. Match the following :





Evaluation

1. The maintenance of constant internal

environment is refrred as

A. Regulation

B. homeostasis

C. co-ordination

D. hormonal control

Answer:

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2. Which of the following are exclusive endocrine glands?

A. Thymus and testis

B. adrenal and ovary

C. parathyroid and adrenal

D. pancreas and parathyroid

Answer:

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3. Which of the following hormone is not secreted

under the influence of pituitary gland?

A. thyroxine

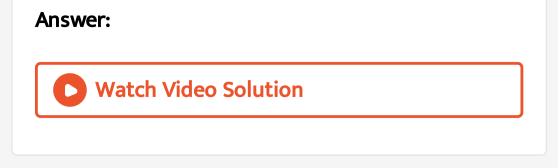
B. insulin

C. oestrogen

D. glucocorticoids



- **4.** Spermatogenesis in mammalian tests is controlled by
 - A. Luteinising hormone
 - B. Follicle stimulating hormone
 - C. FSH and prolactin
 - D. GH and prolactin



5. Serum calcium level is regulated by

A. Thyroxine

B. FSH

C. Pancreas

D. Thyroid and parathyroid



6. lodised salt is essential to prevent

A. rickets

B. scurvy

C. goitre

D. acromegaly



7. Which of the following gland is related with immunity?

A. Pineal gland

B. adrenal gland

C. thymus

D. parathyroid gland



8. Which of the following statement about sex hormones is correct?

A. Testosterone is produced by Leydig cells under the influence of luteinizing hormoneB. Progesterone is secreted by corpus luteum and softens pelvic ligaments during child birth

C. Oestrogen is secreted by both sertoli cells and corpus luteum D. Progesterone produced by corpus luteum is

biologically different from the one produced

by placenta.

Answer:

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9. Hypersecretion of GH in children leads to

A. Cretinism

B. Gigantism

C. Graves disease

D. Tetany

Answer:

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10. A pregnant female delivers a baby who suffers from stunted growth mental reardation low intelligence quotient and abnormal skin,This is the result of

A. Low secretion of growth hormone

B. Cancer of the thyroid gland

C. Over secretion of pars distalis

D. Deficiency of iodine in diet.

Answer:

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11. The structure which connects the hypothalamus with anterior lobe of pituitary gland is the

A. Dendrites of neuro hypophysis

B. Axons of neurohypophysis

C. Bands of white fibers from cerebellar region

D. Hypophysial portal system

Answer:

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12. Comment on homeostasis

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13. Which one of the following statement is

correct

A. Calcitonin and thymosin are thyroid
hormones
B. Pepsin and prolactin are secreted in
stomach
C. Secretin and rhodopsin are polypeptide
hormones
D. Cortisol and aldosterone are steroid
hormones



14. Which of the given option shows all wrong statements for thyroid gland.

(i) It inhibits process of RBC formation

(ii) It helps in maintenance of water and electrolytes

(iii) Its more secretion can reduce blood pressure

(iv) It stimulates osteoblast

A. (i) and (ii)

B. (iii) and (iv)

C. (i) and (iv)

D. (i) and (iii)



15. Hormons are known as chemical messenger justify.

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16. Write the role of oestrogen in ovulation

17. Comment on Acini of thyroid gland



18. Write the causes for diabetes mellitus and diabetes insipidus.

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19. Specify the symptoms of acromegaly

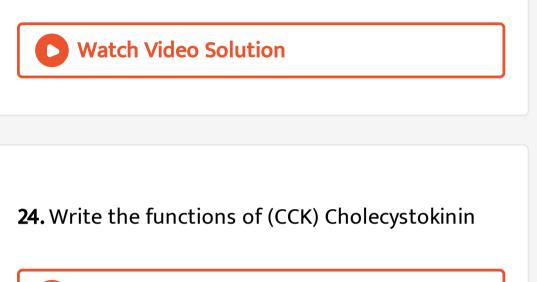
20. Write the symptoms of cretinism.

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21. Briefly explain the structure of thyroid gland
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22. Name the layers of adrenal cortex and mention
their secretions.



hyperglycemla from

hypoglycemia



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25. Growth hormone is important for normal growth justify the statement.

26. Pineal gland is an endocrine gland ,write its role

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27. Comment on the function of adrenalin
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28. Predict the effects of removal of pancreas from

the human body.





29. Enumerate the role of kidney as an endocrine

gland.



30. Write a detailed account of gastro intestinal

tract hormones

