



# BIOLOGY

## BOOKS - PSEB

# CHEMICAL COORDINATION AND INTEGRATION

### Exercise

1. Define the following: Exocrine gland



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2. Define endocrine glands



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3. Define the following: Hormone



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4. Describe various endocrine glands.



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**5. List the hormones secreted by the following:**  
Hypothalamus, Pituitary, Thyroid, Parathyroid



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**6. Name the hormone secreted by adrenal gland.**



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7. List the hormones secreted by the following:

Thymus, Atrium, Kidney, G-I Tract



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8. Fill in the blanks:

**Hormones**

**Target gland**

(a) Hypothalamic hormones

\_\_\_\_\_

(b) Thyrotrophin (TSH)

\_\_\_\_\_

(c) Corticotrophin (ACTH)

\_\_\_\_\_

(d) Gonadotrophins (LH, FSH)

\_\_\_\_\_

(e) Melanotrophin (MSH)

\_\_\_\_\_



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**9.** Write short notes on the functions of the following hormones: Parathyroid hormone (PTH)



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**10.** Write short notes on the functions of the following hormones: Thyroid hormones



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**11.** Write short notes on the functions of the following hormones: Thymosins



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**12.** Write short notes on the functions of the following hormones: Androgens



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**13.** Write short notes on the functions of the following hormones: Estrogens

A. Diabetes mellitus

B. Goitre

C. Cretinism

D.

**Answer:**



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**14.** Write short notes on the functions of the following hormones: Insulin and Glucagon



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**15.** Give example(s) of : Hyperglycemic hormone and hypoglycemic hormone



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**16.** Give example(s) of : hypercalcemic hormone



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**17.** Give example(s) of : Progesterational hormone



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**18.** Give example(s) of : Blood pressure lowering hormone



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**19.** Give example(s) of : Androgens and estrogens



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**20.** Briefly mention the mechanism of action of FSH.



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21. Match the following:

**Column I**

- (a)  $T_4$
- (b) PTH
- (c) GnRH
- (d) LH

**Column II**

- (i) Hypothalamus
- (ii) Thyroid
- (iii) Pituitary
- (iv) Parathyroid



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22. Define the following: Exocrine gland



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**23.** Define the following: Endocrine gland



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**24.** Define the following: Hormone



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**25.** Diagrammatically indicate the location of the various endocrine glands in our body.



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**26.** List the hormones secreted by the following: Hypothalamus, Pituitary, Thyroid, Parathyroid



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**27.** List the hormones secreted by the following: Adrenal, Pancreas, Testis, Ovary



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28. List the hormones secreted by the following: Thymus, Atrium, Kidney, G-I Tract



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29. Fill in the blanks:

**Hormones**

**Target gland**

(a) Hypothalamic hormones

\_\_\_\_\_

(b) Thyrotrophin (TSH)

\_\_\_\_\_

(c) Corticotrophin (ACTH)

\_\_\_\_\_

(d) Gonadotrophins (LH, FSH)

\_\_\_\_\_

(e) Melanotrophin (MSH)

\_\_\_\_\_



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**30.** Write short notes on the functions of the following hormones: Parathyroid hormone (PTH)



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**31.** Write short notes on the functions of the following hormones: Thyroid hormones



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**32.** Write short notes on the functions of the following hormones: Thymosins



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**33.** Write short notes on the functions of the following hormones: Androgens



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**34.** Write short notes on the functions of the following hormones: Estrogens

A. Diabetes mellitus

B. Goitre

C. Cretinism

D.

**Answer:**



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**35.** Write short notes on the functions of the following hormones: Insulin and Glucagon



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**36.** Give example(s) of : Hyperglycemic hormone and hypoglycemic hormone



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**37.** Give example(s) of : Hyperglycemic hormone and hypoglycemic hormone



[Watch Video Solution](#)

**38.** Give example(s) of : Progesterational hormone



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**39.** Give example(s) of : Blood pressure lowering hormone



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**40.** Give example(s) of : Androgens and estrogens



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**41.** Briefly mention the mechanism of action of FSH.



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## 42. Match the following:

### Column I

(a)  $T_4$

(b) PTH

(c) GnRH

(d) LH

### Column II

(i) Hypothalamus

(ii) Thyroid

(iii) Pituitary

(iv) Parathyroid



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