WORKSHEET 1

CHAPTER 12 – ENDOCRINE SYSTEM

A. Name the following.

1. The gland that regulates calcium in blood.
2. A condition caused due to hyposecretion of thyroxine in children.
3. The endocrine cells present in pancreas.
4. The disease caused due to the deficiency of iodine.
5. The hormone which promotes reabsorption of water from nephrons.

B. Fill in the blanks.

1. Corpus luteum secretes _____ hormone.
2. Exophthalmic goitre is caused due to hypersecretion of _____
3. _____ secretes both hormones as well as enzymes.
4. The alpha cells of pancreas produce _____
5. _____ is the emergency hormone.

C. Choose the correct option.

1. Gigantism and acromegely are due to
   a. hyposecretion of thyroxine.
   b. hyposecretion of growth hormone.
   c. hypersecretion of thyroxine.
   d. hypersecretion of growth hormone.
2. Insulin is secreted by
   a. beta cells of pancreas.
   b. alpha cells of pancreas.
   c. delta cells of pancreas.
   d. none of these.
3. Contraction of uterus during child birth is due to which hormone?
   a. ADH b. Glucagon c. Oxytocin d. FSH
4. Cretinism and myxoedema are due to
   a. hypersecretion of thyroxine.
   b. hyposecretion of thyroxine.
   c. hypersecretion of growth hormone.
   d. hyposecretion of growth hormone.
5. A condition which results in abnormally long bones, long lower jaw bones due to the hyposecretion of pituitary gland.
   a. Aeromegaly b. Addison's disease c. Acromegaly d. None of these

D. State whether the following statements are True or False.

1. ADH enhances milk production in females.
2. Deficiency of the iodine causes simple goitre.

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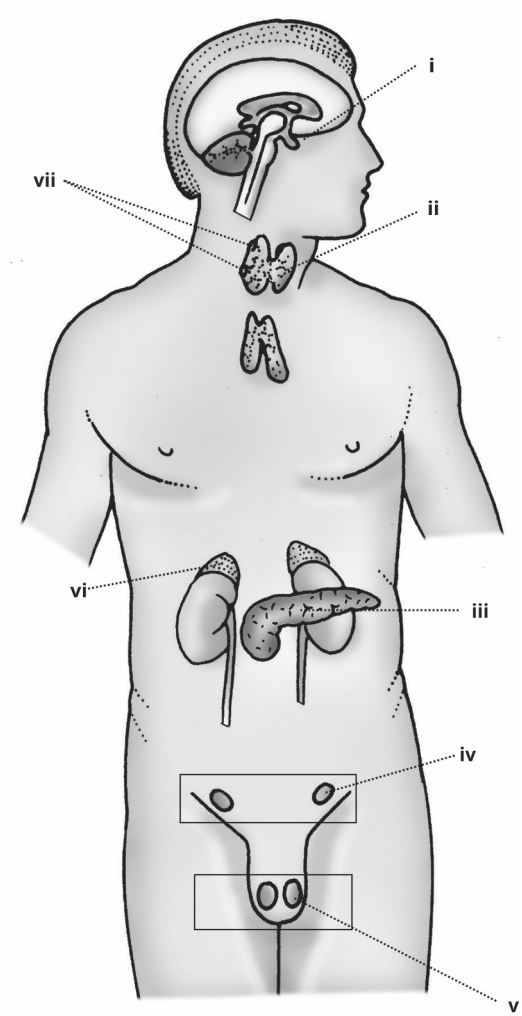
3. Oxytocin is water-retaining hormone.
4. Glucagon converts glucose into glycogen.
5. Myxoedema is caused due to the malfunctioning of thyroid glands.

E. Given diagram is an outline of the human body showing the important glands. Answer the following.



1. Name the glands marked **i** to **vii**.
2. Name the hormone secreted by **ii**. Give one important function of this hormone.
3. Name the endocrine cells present in part **iii**.
4. Name the hormone secreted by part **vi**. Give one important function of this hormone.
5. Name three hormones produced by **i**.

ANSWERS

WORKSHEET 1

A. Name the following.

1. Parathyroid
2. Cretinism
3. Islets of Langerhans – α, β and δ cells
4. Simple goitre
5. ADH

B. Fill in the blanks.

1. progesterone
2. thyroxine
3. Pancreas
4. glucagon
5. Adrenaline

C. Choose the correct option.

1. d. 2. a. 3. c. 4. b. 5. c.

D. State whether the following statements are True or False.

1. False 2. True 3. False 4. False 5. True

E. Given diagram is an outline of the human body showing the important glands. Answer the following.

1. **i** – Pituitary
   ii – Thyroid
   iii – Pancreas
   iv – Ovary (in females)
   v – Testis (in males)
   vi – Adrenal
   vii – Parathyroid
2. **Thyroxine** – It controls basal metabolism.
3. Alpha, beta and delta cells.
4. **Adrenaline** – It prepares the body to face any emergency situation.
5. Growth hormone, lutenizing hormone and oxytocin.