

18/8/2020
TUESDAY

BIOLOGY

STD-X
class-18

Assignment

1) What are the major functions of Thyroxine?

- Ans) • It increases the rate of metabolic activities.
• It enhances production of energy in the body.
• It accelerates the growth and development of the brain in the foetal stage and infancy.
• Regulates growth in children.

2) How hypothyroidism affects the infants and adults?

Ans) Myxoedema is a condition found in adults due to the deficiency of thyroxine.

The deficiency of thyroxine during the foetal stage or infancy may lead to mental retardation and stunted growth. This condition is called cretinism.

3) How the deficiency of iodine leads to goitre?

Ans) Iodine is essential for the production of thyroxine. The production of thyroxine is obstructed in the absence of iodine. In an attempt to produce more thyroxine, the thyroid gland enlarges. This condition is called goitre.