



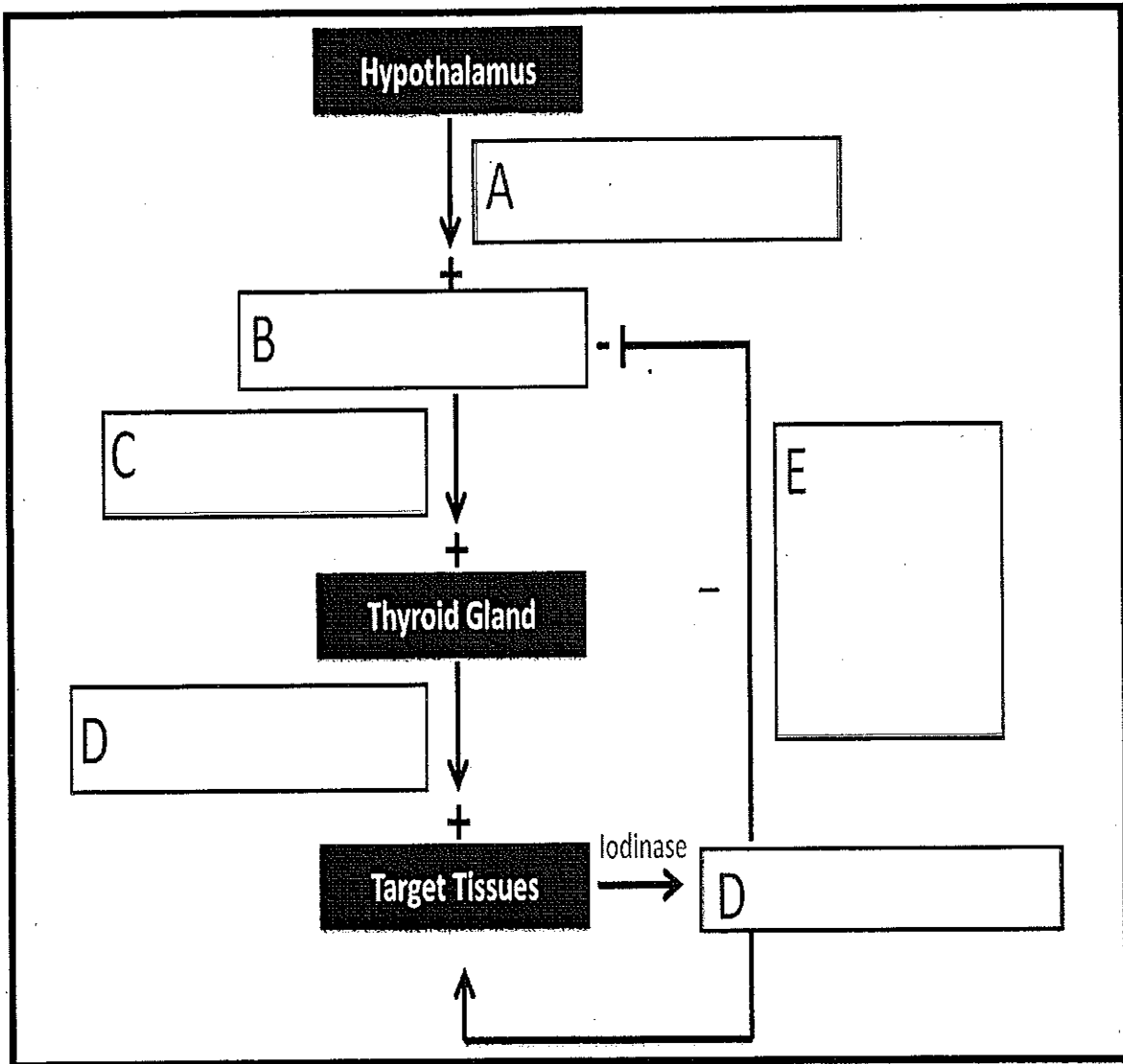


02.

a. Major regulatory steps of the thyroid hormone secretion are given as a flow chart.

Complete the flow chart with suitable answers/words

(06 marks)



b. What is a reflex?

(02 marks)

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c. Name the components of the reflex arc.

(02 marks)

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03.

a. Define the following terms

(04 marks)

i. Cardiac out put

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ii. Mean arterial pressure

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b. Name the components of the CNS.

(02 marks)

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c. Name the protective layers found around the CNS.

(01 marks)

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d. List down the types of identified protective layers.

(03 marks)

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04.

a. Define the terms self-antigen and the foreign antigen. (04 marks)

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b. Name a tissue that is characterized by the liquid nature of its matrix and absence of fibers. (02 marks)

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c. What is the presbycusis? (02 marks)

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d. Identify two (02) macro molecules and their monomer unit or building block? (02 marks)

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INDEX NO: .....

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**PART C – ESSAY QUESTIONS***(30 marks)*

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**Write answers to all the questions.****01.**

- a. Explain the process (step by step) of formation of urine. **(10 marks)**
  
- b. Explain the term positive feedback mechanism using childbirth (labour) as an example. **(05 marks)**

**02.**

- a. Draw a clearly labelled diagram that shows the 28 day ovarian and uterine cycle, changes in hormonal levels and the occurrence of important events **(10 marks)**
  
- b. Explain the primary and secondary immune responses with the help of an illustration. **(05 marks)**