

BACHELOR OF PHARMACY HONOURS
BSU3431 – HUMAN PHYSIOLOGY – LEVEL 03
FINAL EXAMINATION
DURATION: THREE HOURS

DATE: 15.03.2023

TIME: 1.30- 4.30 pm

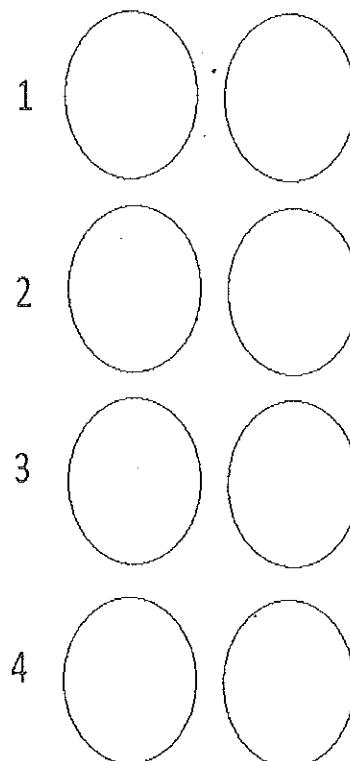
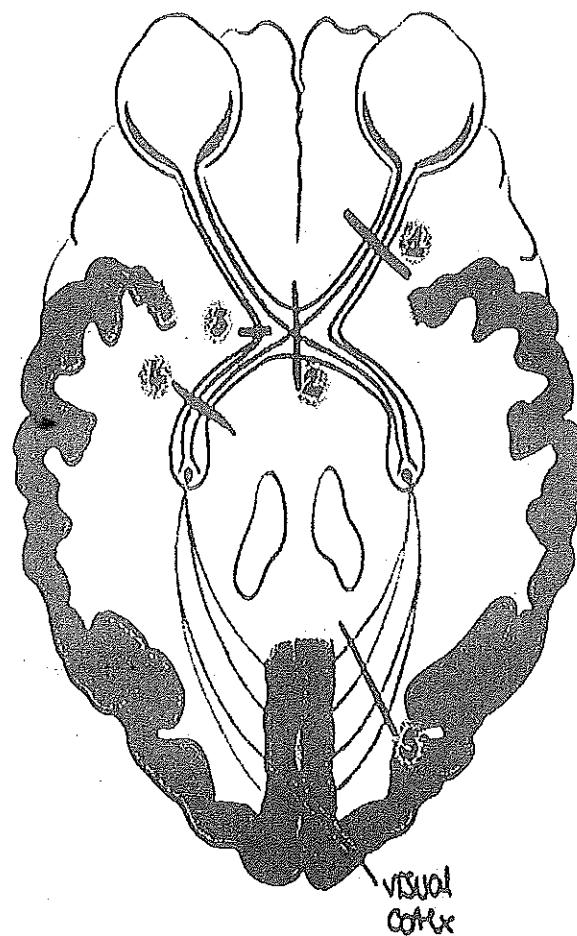
PART B – STRUCTURED ESSAY QUESTIONS

(40 marks)

Write answers in the space provided.

01.

- a. The following diagrams shows the lesions of the visual pathway at different levels.
Identify the lesions and complete the defects in the visual field **(08 marks)**



- b. List 02 commonly performed tests of vision **(02 marks)**

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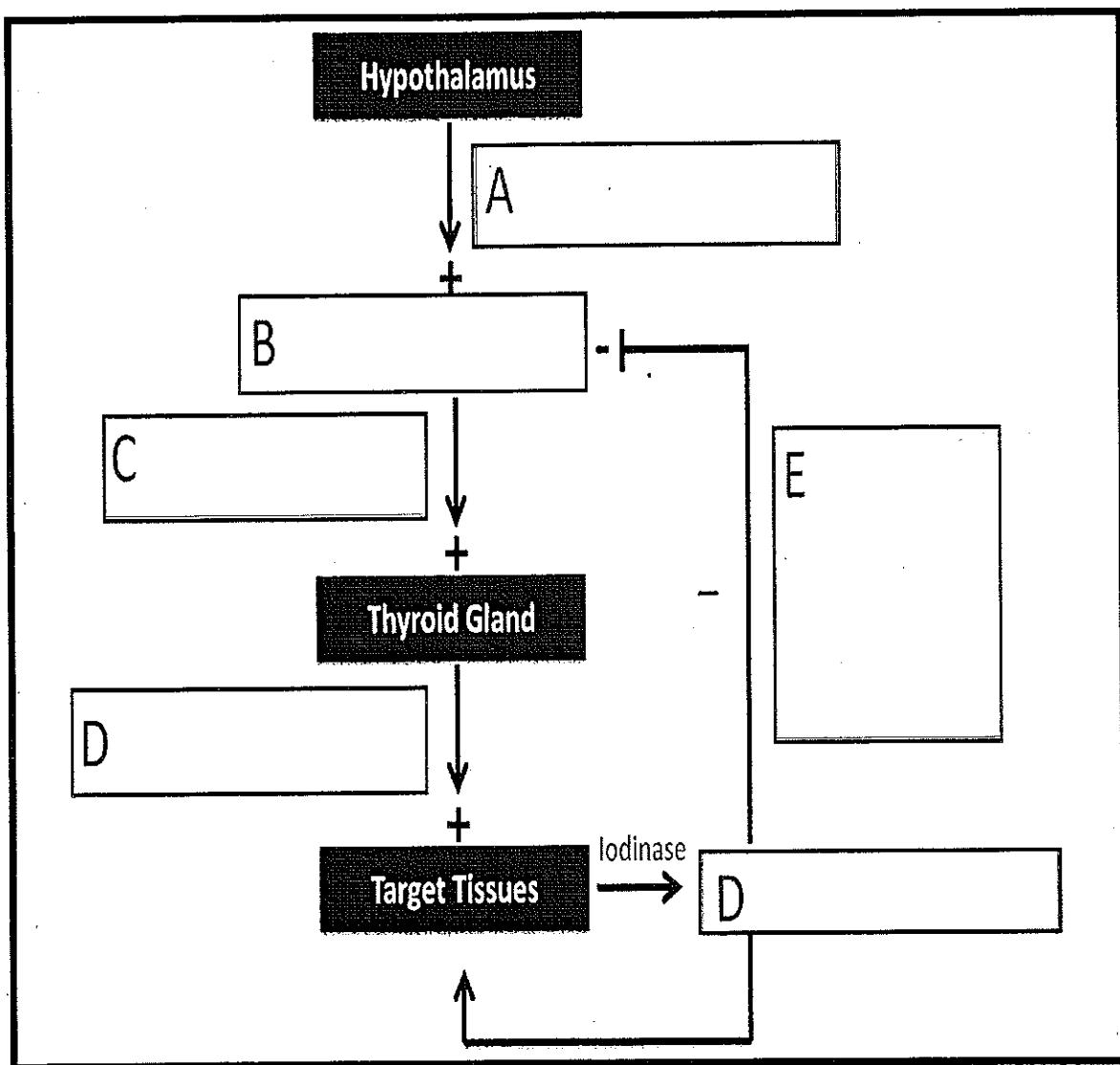


02.

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 native 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:

PART C – ESSAY QUESTIONS

(30 marks)

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)