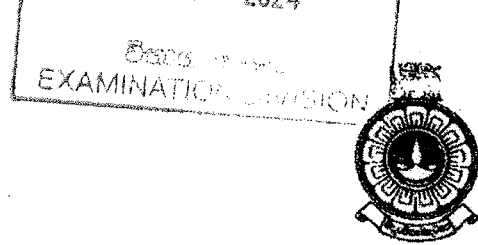


THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF BASIC SCIENCES
ACADEMIC YEAR 2023/2024 – SEMESTER 01
BACHELOR OF PHARMACY HONOURS
BACHELOR OF NURSING HONOURS
BSU3431 – HUMAN PHYSIOLOGY – LEVEL 03
FINAL EXAMINATION
DURATION: THREE HOURS



DATE: March 21st 2024.....

TIME: 9.30 am- 12.30 pm

PART B – STRUCTURED ESSAY QUESTIONS

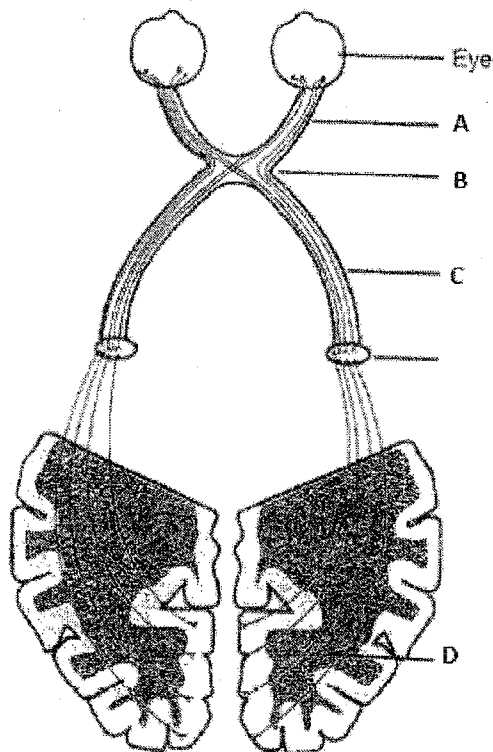
(40 marks)

Write answers in the space provided.

01.

- a. The following diagrams shows the visual pathway. Identify the parts numbered 1 to 4.**

(08 marks)



b. List two (02) tests used to assess hearing.

(02 marks)

.....

.....

.....

.....

02.

a. Illustrate the major regulatory steps of the thyroid hormone secretion using a flow chart.

(06 marks)

b. List two (02) advantages of breastfeeding.

(02 marks)

.....
.....
.....

c. List two (02) health hazards of smoking. (02 marks)

.....
.....
.....
.....

04.

a. What is new-born Respiratory Distress Syndrome? (04 marks)

.....
.....
.....
.....

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

.....
.....

c. What is presbyopia? (02 marks)

.....
.....
.....
.....

d. Define the term “excitatory neurotransmitter” (02 marks)

.....
.....
.....

INDEX NO:

PART C – ESSAY QUESTIONS

(30 marks)

Write answers to all the questions.

01.

- a.** Give a brief account on the process of haemostasis. **(08 marks)**
- b.** Explain how gas exchange occurs at the level of tissues. **(07 marks)**

02.

- a.** Describe the regulation of lactation. **(10 marks)**
- b.** Give a brief description on the changes in the cardiovascular and respiratory systems that occur with aging. **(05 marks)**