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THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF BASIC SCIENCES
ACADEMIC YEAR 2020/2021 – SEMESTER 01
BACHELOR OF PHARMACY HONOURS
BACHELOR OF MEDICAL LABORATORY SCIENCES HONOUR



BSU3230 – HUMANANATOMY – LEVEL 03
FINAL EXAMINATION
DURATION: TWO HOURS

DATE: 10.03.2022

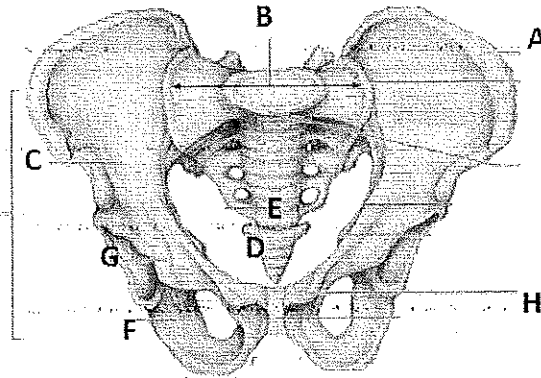
TIME: 1.30- 3.30 pm



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PART B – STRUCTURED ESSAY QUESTIONS*(40 marks)***Write answers in the space provided.**

1. A) The following diagram shows the bones of the pelvic region. Identify the bones/ area of the bone A to F. (8 marks)



A	
B	
C	
D	
E	
F	
G	
H	

- B) Identify the type of epithelium found in the following regions of the body. (2 marks)

I. Epidermis of the skin	
II. Respiratory tract	
III. Blood capillaries	
IV. Small intestine	

C) List the **one (01)** major function of followings.

(10 marks)

	Functions
Testis	
Seminiferous tubules	
Leydig cells	
Epididymis	
Seminal vesicles	
Penis	
Fallopian tubes	
Vagina	
Mammary glands	
Ovaries	

2. A) Briefly describe the structural organization of the human body.

(4 marks)

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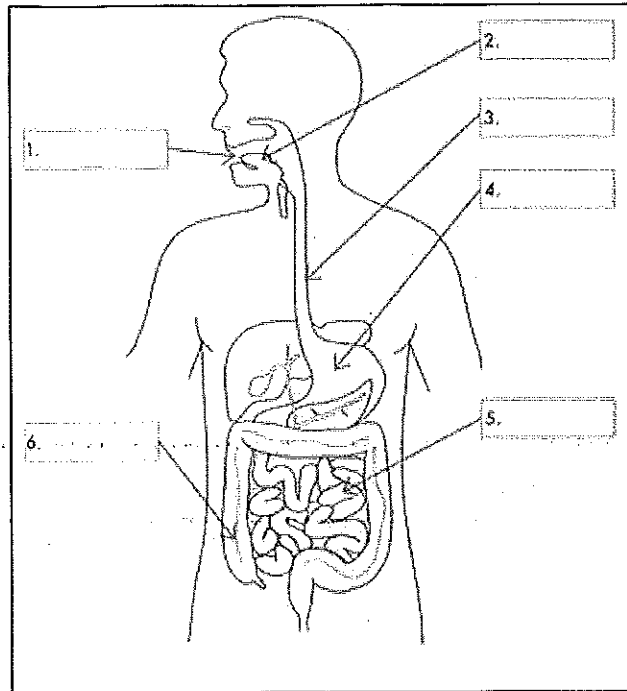
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B) The following diagram shows the structure of digestive system. Identify the **structures**

1 – 6 and give one function for each.

(12 marks)



	Structure	Function
1		
2		
3		
4		
5		
6		

C) Name **two (2)** somatic sensations and **two (2)** special senses. (4 marks)

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PART C – ESSAY QUESTIONS*(40 marks)*

Write answers to all the questions.

1. A) Identify the main types of muscle tissues in the human body **and** describe the structural and functional properties of the muscle tissue found in the walls of hollow organs (10 marks)
- B) Briefly describe the structure of a typical neurone (10 marks)

2. A) Outline the structure of the wall of an artery (10 marks)
- B) Briefly explain the **fluid mosaic model** of the cell membrane (10 marks)