Time: 2-00 Hours]

## 1306E609

Candidate's Seat No:\_\_\_\_\_

## B.Sc. (Hons) (FNS) Sem.-2 Examination FNS - 123

Nutrional Physiology
June 2022

[Max. Marks: 50

	Instruc	tions:	
Illustrate your answers with neat diagrams wherever necessary.  Section- I Answer in detail (Any six)  Give a Note on any four ductless glands along with its secretion, location & functions.  Explain Nervous system in Human physiology.  Give a Note on Urinary System in Human physiology.  State different types of bones. Explain each in detail  What is Musculoskeletal system? Explain it in detail  Draw a labeled diagram of human digestive system and describe histology of the alimentary canal  Explain with labeled diagram: Power house of cell.  Explain: Plasma membrane of cell.  Explain: Plasma membrane of cell.  Describe classification of epithelial tissue with its location and function. Explain functions of an epithelial tissue?  Draw a labeled diagram of human heart and explain double circulatory system in detail.  Why pancreas is called dual gland, explain in detail.	All que	stions in Section I & II carry equal marks	
Give a Note on any four ductless glands along with its secretion, location & functions.  2 Explain Nervous system in Human physiology.  3 Give a Note on Urinary System in Human physiology.  4 State different types of bones. Explain each in detail  5 What is Musculoskeletal system? Explain it in detail  6 Draw a labeled diagram of human digestive system and describe histology of the alimentary canal  7 Explain with labeled diagram: Power house of cell.  8 Explain: Plasma membrane of cell.  9 Explain in detail: Major forms of supportive connective tissue.  10 Describe classification of epithelial tissue with its location and function. Explain functions of an epithelial tissue?  11 Draw a labeled diagram of human heart and explain double circulatory system in detail.  12 Why pancreas is called dual gland, explain in detail.	Illustrat	e your answers with neat diagrams wherever necessary.	
tunctions.  2 Explain Nervous system in Human physiology.  3 Give a Note on Urinary System in Human physiology.  4 State different types of bones. Explain each in detail  5 What is Musculoskeletal system? Explain it in detail  6 Draw a labeled diagram of human digestive system and describe histology of the alimentary canal  7 Explain with labeled diagram: Power house of cell.  8 Explain: Plasma membrane of cell.  9 Explain in detail: Major forms of supportive connective tissue.  10 Describe classification of epithelial tissue with its location and function. Explain functions of an epithelial tissue?  11 Draw a labeled diagram of human heart and explain double circulatory system in detail.  12 Why pancreas is called dual gland, explain in detail.	Section	- I Answer in detail (Any six)	[42]
Give a Note on Urinary System in Human physiology.  4 State different types of bones. Explain each in detail  5 What is Musculoskeletal system? Explain it in detail  6 Draw a labeled diagram of human digestive system and describe histology of the alimentary canal  7 Explain with labeled diagram: Power house of cell.  8 Explain: Plasma membrane of cell.  9 Explain in detail: Major forms of supportive connective tissue.  10 Describe classification of epithelial tissue with its location and function. Explain functions of an epithelial tissue?  11 Draw a labeled diagram of human heart and explain double circulatory system in detail.  12 Why pancreas is called dual gland, explain in detail.	1	Give a Note on any four ductless glands along with its secretion, location & functions.	ž
4 State different types of bones. Explain each in detail  5 What is Musculoskeletal system? Explain it in detail  6 Draw a labeled diagram of human digestive system and describe histology of the alimentary canal  7 Explain with labeled diagram: Power house of cell.  8 Explain: Plasma membrane of cell.  9 Explain in detail: Major forms of supportive connective tissue.  10 Describe classification of epithelial tissue with its location and function. Explain functions of an epithelial tissue?  11 Draw a labeled diagram of human heart and explain double circulatory system in detail.  12 Why pancreas is called dual gland, explain in detail.	2	Explain Nervous system in Human physiology.	
5 What is Musculoskeletal system? Explain it in detail  6 Draw a labeled diagram of human digestive system and describe histology of the alimentary canal  7 Explain with labeled diagram: Power house of cell.  8 Explain: Plasma membrane of cell.  9 Explain in detail: Major forms of supportive connective tissue.  10 Describe classification of epithelial tissue with its location and function. Explain functions of an epithelial tissue?  11 Draw a labeled diagram of human heart and explain double circulatory system in detail.  12 Why pancreas is called dual gland, explain in detail.	3	Give a Note on Urinary System in Human physiology.	
Draw a labeled diagram of human digestive system and describe histology of the alimentary canal  Explain with labeled diagram: Power house of cell.  Explain: Plasma membrane of cell.  Explain in detail: Major forms of supportive connective tissue.  Describe classification of epithelial tissue with its location and function. Explain functions of an epithelial tissue?  Draw a labeled diagram of human heart and explain double circulatory system in detail.  Why pancreas is called dual gland, explain in detail.	4	State different types of bones. Explain each in detail	
2 Explain with labeled diagram: Power house of cell.  8 Explain: Plasma membrane of cell.  9 Explain in detail: Major forms of supportive connective tissue.  10 Describe classification of epithelial tissue with its location and function. Explain functions of an epithelial tissue?  11 Draw a labeled diagram of human heart and explain double circulatory system in detail.  12 Why pancreas is called dual gland, explain in detail.	5	What is Musculoskeletal system? Explain it in detail	
8 Explain: Plasma membrane of cell.  9 Explain in detail: Major forms of supportive connective tissue.  10 Describe classification of epithelial tissue with its location and function. Explain functions of an epithelial tissue?  11 Draw a labeled diagram of human heart and explain double circulatory system in detail.  12 Why pancreas is called dual gland, explain in detail.	6	Draw a labeled diagram of human digestive system and describe histology of the alimentary canal	
9 Explain in detail: Major forms of supportive connective tissue.  10 Describe classification of epithelial tissue with its location and function. Explain functions of an epithelial tissue?  11 Draw a labeled diagram of human heart and explain double circulatory system in detail.  12 Why pancreas is called dual gland, explain in detail.	7	Explain with labeled diagram: Power house of cell.	
Describe classification of epithelial tissue with its location and function. Explain functions of an epithelial tissue?  Draw a labeled diagram of human heart and explain double circulatory system in detail.  Why pancreas is called dual gland, explain in detail.	8	Explain: Plasma membrane of cell.	
Draw a labeled diagram of human heart and explain double circulatory system in detail.  Why pancreas is called dual gland, explain in detail.  Pection -II Answer in short (Any eight)	9	Explain in detail: Major forms of supportive connective tissue.	
Why pancreas is called dual gland, explain in detail.  ection -II Answer in short (Any eight)	10	Describe classification of epithelial tissue with its location and function. Explain functions of an epithelial tissue?	
ection -II Answer in short (Any eight)	11	Draw a labeled diagram of human heart and explain double circulatory system in detail.	
	12	Why pancreas is called dual gland, explain in detail.	
1 Which gland of endocrine system is known as master gland? State its location	ection -I	I Answer in short (Any eight)	[08]
2	1	Which gland of endocrine system is known as master gland? State its location.	

## E609-2

2	State chemical composition of urine	
3	Which organ/gland is part of both our digestive and endocrine systems? Also state hormones secreted by that gland.	
4	State any two examples of Reflex Action.	
5	What are the main types of muscles in Human physiology.	
6	State examples of flat bones in Human physiology.	
7	Write down location and function: Brush border	
8	Parietal cell of stomach line produces and	MANAGEMENT PROCESSION
9	Write down location and function: Smooth Muscles	
10	Myelin produces by which cells?	
11	What is facilitated diffusion?	
12	Explain these terms: Exocytosis and Endocytosis.	
13	What is VO2 max	
14	Define residual lung volume.	

