

Instructions:

All questions in Section I & II carry equal marks

Illustrate your answers with neat diagrams wherever necessary.

Section- I Answer in detail (Any six)**[42]**

1	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.	
Section -II Answer in short (Any eight)		
		[08]
1	Which gland of endocrine system is known as master gland? State its location.	

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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 _____.	
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 VO ₂ max	
14	Define residual lung volume.	

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