

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	Write in detail about deficiency and toxicity of copper	
2	Explain the functions of Iron.	
3	Explain hypocalcemia in detail	
4	Write in detail about functions of phosphorus	
5	Write down sources and functions of following vitamins in brief : Vitamin: K, Vitamin: C, Vitamin: E, Vitamin: B ₁₂	
6	Explain hypovitaminosis A.	
7	Explain digestion of carbohydrate in detail with the help of a flow chart.	
8	Explain types of carbohydrates with suitable food examples.	
9	Give detail classification of vitamins.	
10	Explain digestion of Protein in detail with the help of a flow chart.	
11	Write a note on protein quality estimation.	
12	Explain digestion of fat in detail with the help of a flow chart.	

Section -II Answer in short (Any eight)**[08]**

1	Write down the calcium - phosphorus ratio for children.	
2	What is tetany	

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3	Write down the sources of zinc.	
4	Write down the full form of NIDDCP.	
5	Enlist function of carbohydrate.	
6	What is PDCAAS index ?	
7	What is homogenization?	
8	What are bile salts and bile acids?	
9	Write a short note on Blood glucose regulation	
10	Define Protein catabolism	
11	What is ketoacidosis ?	
12	What are probiotics ?	
13	Define fibre.	
14	Define vitamers.	

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