a) Triose b) Tetrose c) Hexose d) De-oxyribose 8) Which vitamin is required for vision in dim light? a) Vitamin A b) Vitamin K c) Vitamin D d) Vitamin E \_\_ is constituent of heme. a) Zinc b) Iron c) Copper d) None 10) Milk and milk products are rich sources of a) Iron b) Sodium c) Calcium d) Vitamin C

b) Tetrose

d) Pentose

a) Triose

c) Hexose

7) The type of sugar in DNA is

Q.2 (a)	Fill in the blanks		[04]
(1)	Mutarotation is defined as the change in rotation.		
(2)	is the universal energy currency of living systems.		
(3)	Cobalamin is also known as vitamin		
(4)	is known as Factor IV in the blood coagulation.		
Q.2 (b)	Write True and False		[04]
<b>(1)</b> .	Cellulose can't be digested by termite.	er e	_
(2)	Vitamin A is water soluble.		
(3)	Our body needs very little carbohydrates to stay healthy and happy.		
(4)	Pyrimidine has only a single ring.		
Q.3	Answer any <u>TEN</u> from the following:	÷	[20]
(1)	Define homopolysaccharide with examples.		
(2)	Define optical isomers-dextrorotatory and levorotatory.		
(3)	Briefly explain polysaccharide may be either straight chain or branched	•	
(4)	Write few differences between amylose and amylopectin.		
(5)	Differentiate nucleotide and nucleoside.	•	
(6)	What are difference between DNA and RNA?		
(7)	Define vitamins and write names of B-Complex vitamins.	4	
(8)	Write plant food sources for vitamin A.		
(9)	What are the two natural form of vitamin K? Write their food sources.	en de la companya de La companya de la co	
(10)	Briefly explain vitamins and minerals are non-calorigenic.		
(11)	Write about food sources of phosphorus.		
(12)	What are dietary sources of zinc?	4	
		•	
Q.4	Write Answer in detail (Any four)		[32]
(1)	Define carbohydrate and discuss about epimers.	,	
(2)	Write detail about osazone formation.		
(3)	Describe Watson-Crick model of DNA structure.		
(4)	Write about various types of RNA.	•	
(5)	Describe biochemical functions daily requirements and sources of vitam	nin D.	
(6)	Describe functions daily requirements and food sources of vitamin C.		
(7)	Write Biochemical functions of calcium and iron,		
(8)	Discuss about functions dietary sources of iodine, sulphur and copper.		
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