VCD - 子- 另一州 - BIOCHEMISTRY-I F.Y.B.Sc SEM II 60 MARKS • All questions are compulsory. • All questions carry equal.	S 2 HRS 30
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Q. I) A) Answer the following in short	
1. Give the occurrence of cholesterol. 2. What are steroids? 3. What is acid number?	(4M)
4. What are antioxidante?	
B) Answer the following in brief (any true)	
 What is saponification number? Give the function of cholesterol. What is iodine number? What are simple and mixed trigonal and an experiment of the control of the c	(6M)
C) Explain about the nomenclature for fatty acids.	(5M)
	and the state of the
C) What are triacylglycerols? What the properties of triacylglycerols? Q. II) A) Answer the following in short (any two)	(5M)
	(4M)
 What are nucleotides made of? Give the structure of any purine. What is a nucleic acid? What is renaturation of DNA? 	
	(6M)
1. Write a note on DNA.	
 Explain the function of nucleic acids. Give the clover leaf model of t-RNA. 	
3. Give the clover leaf model of t-RNA.4. Write a note on sugars in nucleic acids.	(5M)
C) Explain different types of RNA.	(5M)
OR OR	(5M)
C) Explain the structure of DNA.	(4M)
. III) A) Answer the following in short (any two)	
1) What is the SDA of mixed diet?2) What is basal metabolic index?	£3.
2) What is the importance of non-digestible caroonydiates:	
4) Write the names of essential fatty acid.	(6M)
B) Answer the following in brief (any two)	(0141)
the function of protein.	
2) What is the significance of Bivik?	heavy work?
	(5M
4) Write any 3 blochemical random value of food determined by bomb calorimeter. C) Explain the caloric value of food determined by bomb calorimeter. OR OR	(5M
C) Describe the biochemical function of water and pyridoxine.	
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