		e:- SC2BC010316			W. T. Company of the	
		Answer in deta	nil. (Any 1)			
	1)	Explain structure	e of DNA with diagra	m.	ios of DNA.	
	2)	List and explain	any three physical p	roper	III S O .	
Q. III	A)	Answer in one	sentences. (Any 4)		100000000000000000000000000000000000000	
	1)	What is calorie?			THE PERSON NAMED IN	
		What is SI unit of	heat?			
	3)	Define BMI.		anlor	ific value of food ?	
	4) 1	Which instrument	t is used to measure	calul	IIIc van	
			called as Ascorbic ad	Ju :	The second second second	
		Enlist water solub Which is an unive				
			ghest calorific value	?		
В			ving in brief. (Any			and the second
1			ctors affecting BMR			
2			amin A, D, E and K.	orincir	nles ?	
3)) VV	hat are calorific v	ralues of proximate paignificance of carbo	hvdra	ites and lipids ?	
4)) VVI	nai is nuiniionai s	agnificance of carbo	, ry Gre	A STATE OF THE STA	
C)	An	swer the follow	ing in detail. (Any	1)		
1)		w BMR is measu				
2)	Wh	at is specific dyn	amic action?			
V 1.	A)	Write short note	e. (Any 1)			
	1)	Saponification	200	2)	Rancidity of lipids	
B)	Fill i	in Blanks. (Any	3)			
1) .		is four	nd only in Plants and	d Not	in Animals.	
((Satu	urated / Unsatura	ited / Both saturated	d & ur	nsaturated)	
2) 7	The h	higher temperatu	re causes increase	in	of lipids.	
(Cova	alent bond / Rand	cidity / lodine value))		
3) _		bond jo	ins glycerol to fatty	acid.	(Phosphodiester / Peptide /	Ester)
4) If	a fat	tty acid chain is r	emoved from trigly	ceride	and replaced by Phosphate	, it is called a
— (P	hoer	abolinid / Glycoliu	nids / Linoprotein)			
		e / compound / D				
					ole / Compound / Derived)	
	400	lipius are	not ingrycendes.	COILLI	THE A COUNTY OF THE PROPERTY O	

Code:- SC	22BC010316 (3)	
	Write short note on (Any 1) Chargaff's rule 2) Hydrogen bond.	2
B) 1) 2) 3) 4) 5)	is found only in RNA and not in DNA. (Deoxyribose / Ribose / Phosphate) The increase in temperature results in breaking of bond of DNA. (Covalent bond / phosphodiester bond / Hydrogen bond) The tRNA helps in (Reptication / Transcription / Translation) In DNA, the distance between rungs is (0.34Å / 3.4Å / 34Å) The increase in absorbance by single stranded DNA is called as (Hyperchromism / Hypochromism / Isochromism) The X-ray crystallographic structure was determined by (JD watson / Francis Crick / Rosalind Franklin)	3
3. A)	Write short note on. (Any one) Energy Balance 2) Respiratory Quotient	
3. B) 1) 2) 3) 4) 5)	Running for an hour burns calories. (2600, 1450, 600) are rich in fibres. (Leaves, fruits, flowers) RDA for fats is (55g, 78g, 70g) To calculate BMR, height is measured in (inches, centimeters, feet) 4.5 is protein efficiency ratio for (Egg protein, whey protein, rice protein) Over nutrition is concern of (Developed countries, Gulf Countries, Poor countries))

The End -