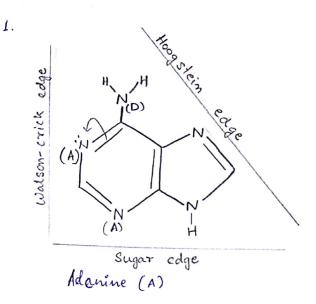
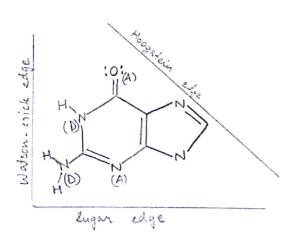
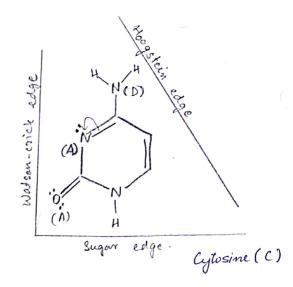
S

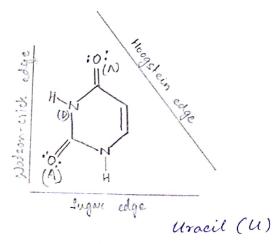
bo de ct g

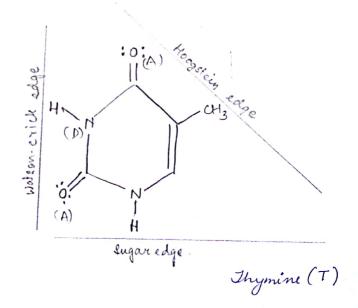












Cis - base pairing of A=T. A = T Base pairing Minor groove [indicate base-sugar (glycopsidic) bond]. Major Cis - base pairing of GEC GEC Base pairing [indicate sugar attachment].

A-	D	N	1	•
	_		-	

T							
Base	~	P	8	ક [.]	€ .	Ę	X
The strategy	P2 - 02	0,-05,	C5'-C1'	C4-C3	C3' - 02	02-93.	N2-C12
31 A3	P3-03	03- C53	C5' - CA'3	C4'3-C3'3	(3' ₃ - 0 ₃	03-P24	Ng-C1'
12 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C	P2-02	02- 65/2	CS' - C4'2	C4'2 - C3'2	C3'2-02	0,-P	N2-C12
Same Same	P3-08	03-05/3	Cs'_3-CA'_3	CA's-CB'3	C3'z-03	02-P2	143-013

Numbering

$$5' \quad 3' \\
2-C = 9-2 \\
3-A = T-3 \\
3' \quad 5'$$

B	-D	N	A	•

				-			
	d	β	8	8	E	Ę	χ
5'send C 3	P3-03	03-05'3	C5'3-C1'2	C4'_3-C3'_3	B'-03*	9-P4	N3-C13
farme of	P4- 04	01-054	C5/ - CA/A	CA' - C34	C3, - O4	0 ₄ - P ₅	N ₄ -C1/ ₄
3 send	P3-03	03-03	C5'3 -C4'3	C4'3-C3'3	C35-03	03-P2	N3-C13
Same str	P4 - 04	04-654	Cs' - Ca'	CA'4-C3'4	C3'4 - 04	04-P3.	Na-C1/4

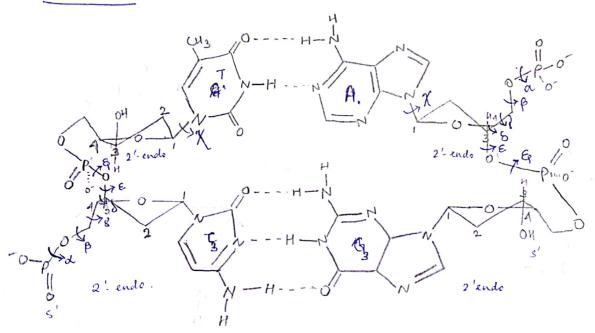
CLIONA	The second of th	majorgini majorg		GEC	Petrina riseguukidawi
Sugar	A .	T	Sugar pucker	G	c.
3'endo	one 51	base from one 3' end	3'endo	20th base from one 3 end	bas from

The lorsion angles have been marked in the figure.

the G and T are the 1st and 3rd base of the same strand starting from 3' end Frespectively.

The A and C are the 1st and 3rd base of the same strand starting from 5' and respectively.

For B-DNA:



	A=T	TO SECURE A SECURE ASSESSMENT OF THE SECURE AS		$G \equiv C$	
Sugar	A	T	sugar	G	C
	V 3	past from a 5' end	erce	basi	sud fram

The Torsion angles have been marked in the figure.

6) Z-DNA:

_			
	Position	Nucleotides	Eugen
	<u>ł</u> ′	9	&'endo
	1	C	3'-endo- 3'-ex0
	2'	C	2'endo- zieno
	2	9	3-endo
	3′	9	3'-endo
	3	С	2-endo- 3'ex0
	A'	C	2-endo 3-exo
	4	G	3'- ende

1', 2', 3', 4' are
bases on the same
strand

1, 2, 3, 4 are the bases on
complementary strand
respectively for 1', 2', 3', 4'.

		d	β	8	S	E	E	Υ
5 1	- end	P ₁ - O ₁	0,- 05',	C5'1-CA',	C4'1-C3'1	C3',-0,	01-P2	N, - C1',
and.	C' ₂	P2-02	02-(5/2	C5'2-CA'	C4/2-C3/2	C3'2 - O2	02 - P3	N2- C1/2
afra	G'	P ₃ - O ₃	03 - (5,3	C5'3-C9'3	C43'-C33	C3/4 -03	0g-Pa	N3 - C13
Same	V GC		04-054	C5'C4'	Cq' -C3'4	C3'_1-0_1	09-85	N4-C1/4.
3	end.	P1-01	0,-05'	C5', - C4',	C41 - C31	C3'-01	0, - Pm-1	N,-C1',
-	G.			CS12 - CA12	C412-C31	$\frac{1}{2} \left[C3_{2}^{\prime} - 0_{2} \right]$	02-P1	N2-C12
Ţ	2						9-P2	N3-C13
	same G	$P_A - O_A$					04-63	Na - CI'q.
	0 1	4					4	

5' 3' 1-G=C-1 2-C=G-2 3'-G=C-3 4'-C=G-4 3' 5'

Tutorial -2

Protein structure I PDB
heling sheet (parellel/antiparell), turn,
loop.

1kh8 (cis provine at P114)

1) Cis-toons propoline identification
2) draw the structure of peop polypephide
chain wing your name.
3) Protein having & helix, sheet

X/B both, B hair pin

4) structure from PDB (motecule of

the month).

Tutorial - 3

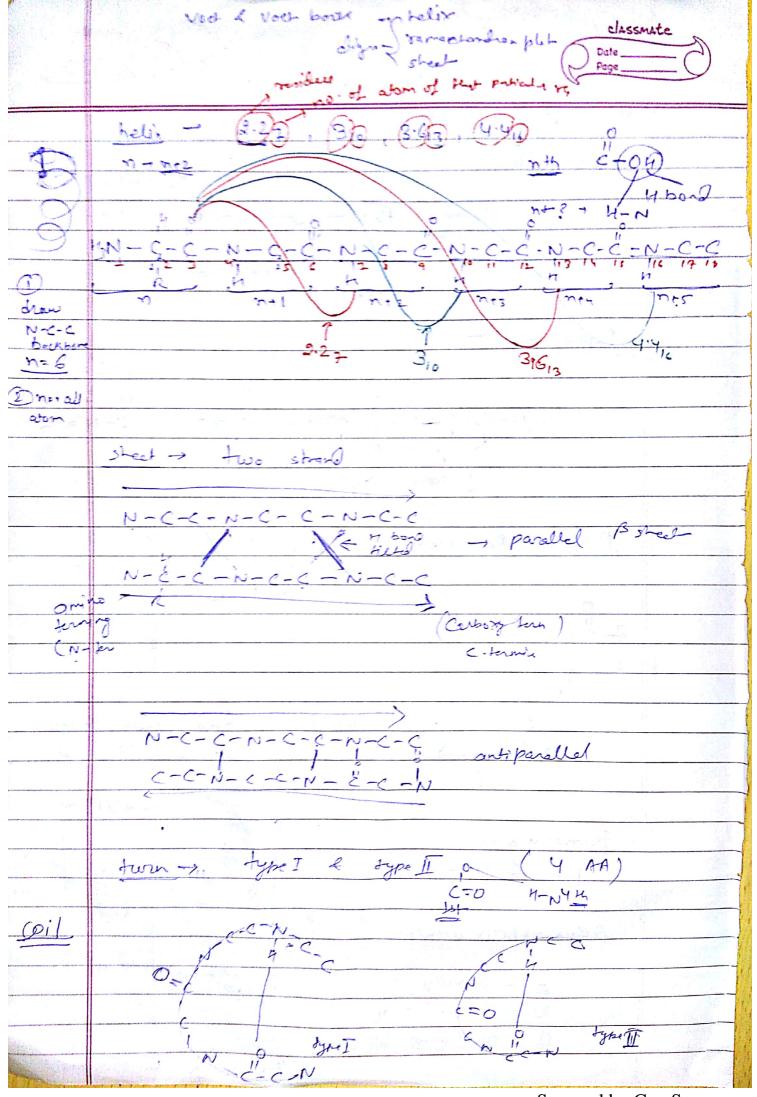
D) Nucleic Acid

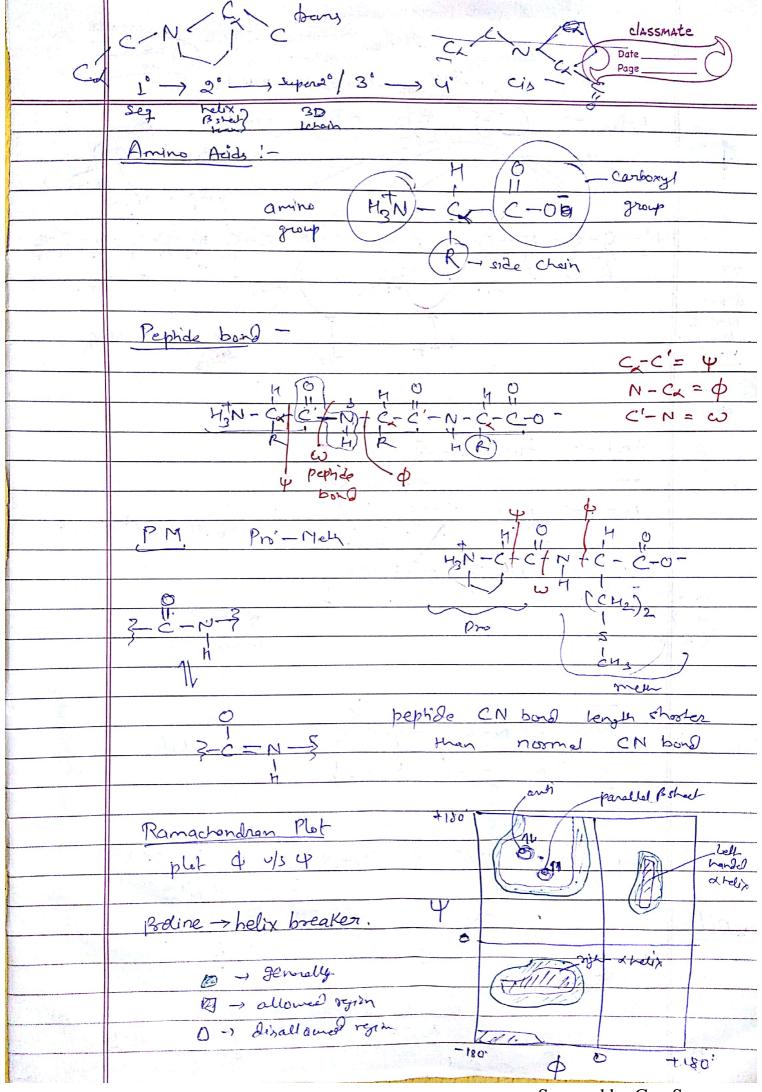
Assignment
1) Stor of Nilmogen Base (A,T,G,C,U)

2) Identify RNA/DNA & in given stor

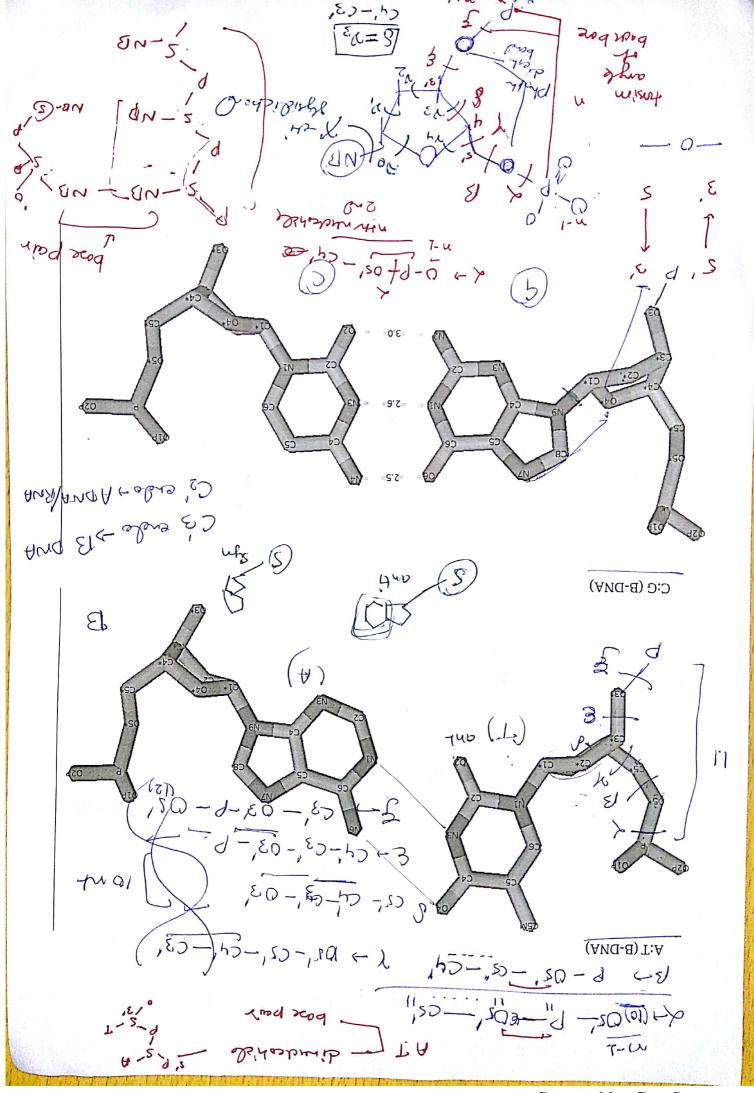
3) 5' cr 3' end of strand

4) Cannonical / Non Cannonical basepair





Scanned by CamScanner



Scanned by CamScanner

