Enroll	nent No:		
	C.U.S	SHAH UNIVERSITY	Y
	Sum	mer Examination-2018	
Subjec	t Name: Chemical Struc	cture & Macromolecules	
Subjec	t Code: 4SC01CSM2	Branch: B.Sc. (Microbiolo	ogy)
Semest	er: 1 Date: 27/0	03/2018 Time: 02:30 To 04:30	Marks: 50
(3) (4)	Draw neat diagrams and Assume suitable data if		
Q-1	Attempt the followin	g questions:	(10)
a	Define: Co-ordinate b	ond	(01)
b	•		(01)
c)		DATE (DATE)	(01)
d		mposition in Messenger RNA (tRNA).	(01
e)	An p orbital has the si	nape of a	(01)
f) g	-	ructure of Cytosine	(01) (01)
s h		figuration of N element.	(01)
i)			(01)
j)		ng compound is Polar?	(01)
•		CCl ₄ (d) None of these	
ttempt an	four questions from Q	-2 to Q-8	
Q-2	Attempt all question		(10)
a) Write a note on classi	fication of carbohydrates.	(05)
b) Write a note on oxidat	ion and tautomerization of monosaccharide.	(05)

Atte Q-2 Q-3 **Attempt all questions (10)** a) Write a note on Electron configuration. (04)Explain the Hydrogen Bonding with suitable examples. (04)b) What are polar and non-polar bonds? Give examples. (02)**Attempt all questions Q-4 (10)** a) What is Polysaccharide? Write a note on Polysaccharide. (05) (05) **b)** Write a note on starch



Q-5		Attempt all questions	(10)
	a)	Discuss on DNA double helix.	(05)
	b)	Write a note on Nucleotides.	(05)
Q-6		Attempt all questions	(10)
	a)	Write a note on types of RNA.	(05)
	b)	Write the properties of Proteins.	(05)
Q-7		Attempt all questions	(10)
	a)	Write a brief note on major bases found in nucleic acids.	(05)
	b)	Discuss on Oxidation, Reduction and Dehydration of monosaccharides.	(05)
Q-8		Attempt all questions	(10)
-	a)	Write a brief note on primary structure of protein.	(05)
	b)	What is an epimerization? Explain it in deep with suitable example.	(05)

