Name-	Roll No-	
LS2101: BIOCHEMISTRY	Class Test 1	
Date: 24.08.23	Full Marks= 10	
Answer ALL the questions		
Q1. In Ramachandran plot left-handed alpha ha) left and upper quadrant c) left and lower quadrant	b) right and lower quadrant d) right and upper quadrant	
Q2. The molecular weight of Val and Ser are respectively. Val and Ser form a dipeptide Val-Daltons) of the dipeptide is a) 200 c) 186		
Q3. Draw the structures of the Sulphur containing amino acids. [1] Ans: -		
Q4. How many ionizable groups (consider side chains only) are present in the polypeptide shown below? N-ter-Glu-Cys-Ser-Gly-Met-Ala-Pro-Asp-C-ter [1] Ans: -		
Q5. Explain the reason why the length of a type but the length of a peptide bond (C-N [1] Ans: -		

Q6. Draw the structures of ATP and GTP.	[2]
Ans: -	
Q7. Draw the structure of Sucrose and mention it's full systematic name.	[1]
	[1]
Ans: -	
Q8. If the pH of the solution if 4.60, calculate the [H ⁺] and [OH ⁻] for the so	olution
at 25 °C.	[1]
Ans: -	
Q9. Proteins show characteristic absorbance spectra at 280nm. Which	amino
acids are responsible for this phenomenon. Draw their structures.	[1]
Ans:-	