Biomolecules.

Q.1 How do you explain the absence of aldehyde group in the Pentaacetate of D-Glucose?

Q.2 What is the Glycosidic linkage?

Q.3 What is mealt by inversion of Sugars.

Q.4 Given Examples of reducing and non-reducing Sugars.

Q.5 What is the denaturation of Proteins.

Q.6 What are "Zwitter's" ions.?

Q.7 Define a peptide linkage.

Q.8 What is Difference between α-helex and β-pleated structure of Proteins?

Q.9 What happens when D-glucose is treated with the following reagents.?
(i) HI (ii) Bromine water (iii) HNO_3

Q.10 How do you explain Amphoteric behaviour of amino acids?

Q.11 What are the hydrolysis products of
(i) Sucrose and (ii) lactose?

Q.12 Where does the water present in the egg go after boiling the egg?

Q.13 ~~Purin~~ Assertion: Purine base present in DNA are adenine and Guanine.
Reason: The base thymine is present in RNA whereas base Uracil is present in DNA

Q.14 Which of the following is a fibrous protein?

a) Glucoprotein
b) Keratin
c) Proteoses
d) Prolamine

Q.15 The combination of nitrogen-containing heterocyclic base with 1' position of sugar is known as.

a) S-RNA
b) nucleotide
c) m-RNA
d) nucleoside.