6) State the main difference between aldoses and ketoses

the defrence betweer aldoses and Ketoses
the loction of ~~carbon~~ carbonuly

Explain the following: مجموعة الكربونيل

(1) Dehydration reaction lose the water when two mono sccharids compond withe each other

~~glocause + glocause~~ monosccharid + mono schard $\xrightarrow{H_2O}$ disaccharides.

(2) Reducing sugar

$X \longrightarrow X^{+1} + e^-$ its the NADPH
Reducing reagent

~~(3) Alkaline solution~~

(4) Polysaccharides

~~monosccharids~~
alot of monosccharids compond with each other
thousand of monosccharids

monosccharid + monoscc + monosa + mo - - - - - - -

Poly sccarids.

polysccharid starch the moner of it it's glocause

7/10

BIRZEIT UNIVERSITY

Department of Biology and Biochemistry

Biology 111 Lab

Quiz#3

Name and ID

[redacted]

Circle the correct answer

1) Fructose is a monosaccharide and it is an aldose.

(A) TRUE (B) FALSE

2) The reagent that give positive result (purple color) when added to carbohydrates is called Barfoed's reagent.

(A) TRUE (B) FALSE

3) Benedict's reagent differs from Barfoed's reagent in that it consists of mainly copper (II) ions in a strongly alkaline solution.

(A) TRUE (B) FALSE

4) IKI reagent (from I_2/KI test) interact with reducing disaccharide such as glycogen, starch, and cellulose forming colored complexes.

(A) TRUE (B) FALSE

5) A peptide bond is formed when two amino acids residues are combined by a hydration reaction.

(A) TRUE (B) FALSE