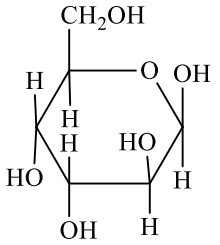
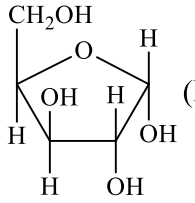
Marks 6

- Consider the following two monosaccharides, (**A**) and (**B**).



(**A**)

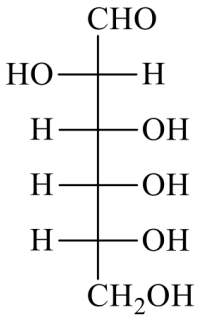


(**B**)

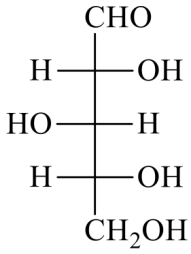
β-D-altropyranose α-D-xylofuranose

Draw Fischer projections of the open chain forms of (**A**) and (**B**).

(**A**)

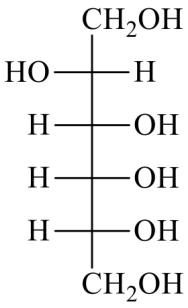


(**B**)



Draw the major organic product of the reaction of D-altropyranose with the following reagents.

1. $NaBH_4$ 2. $H^{\oplus}$ / H_2O



$[Ag(NH_3)_2]^{\oplus}$ / $OH^{\ominus}$