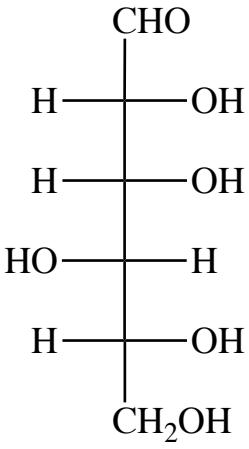
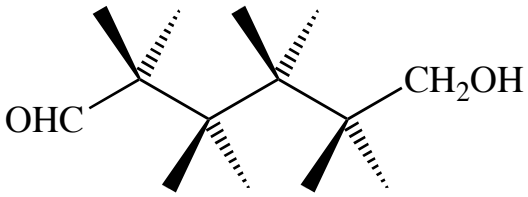
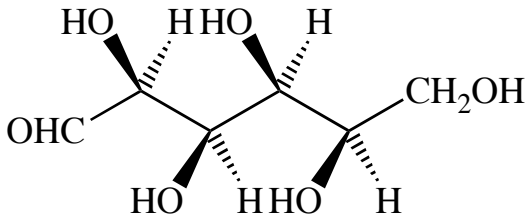
Ex 29 - Fischer

Question One
Convert the following molecule shown as a Fischer projection into its staggered conformation.

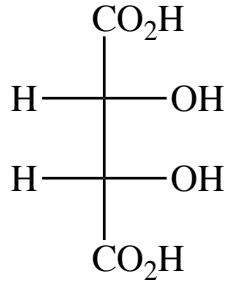




Question Two
Convert the following molecule into its Fischer projection.

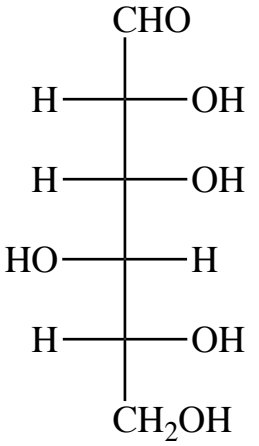


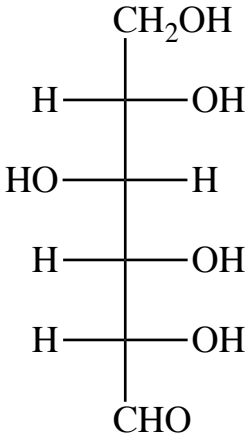
Question Three
Draw the molecule represented by this Fischer projection showing its proper shape.

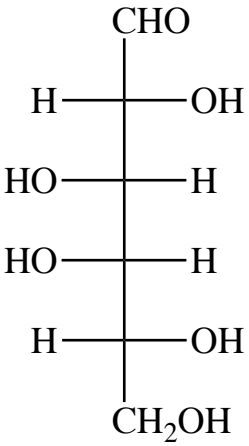


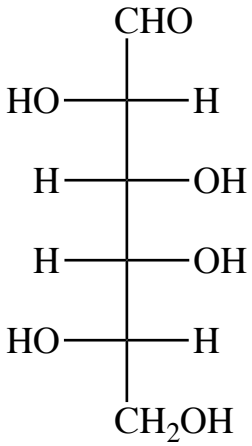
meso-tartaric acid

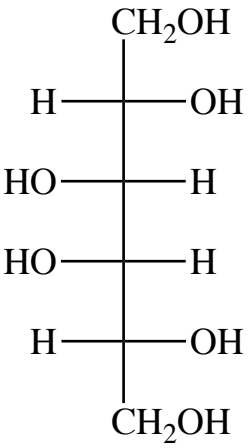
Question Four
What is the relationship of the following pairs of molecules shown as their Fischer projections: are they enantiomers, diastereomers or the same molecule?

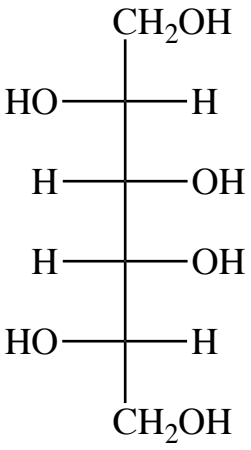


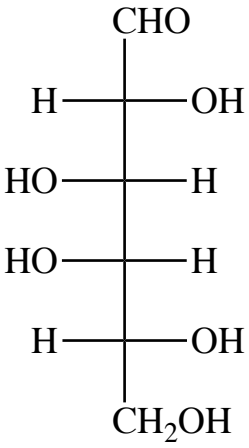


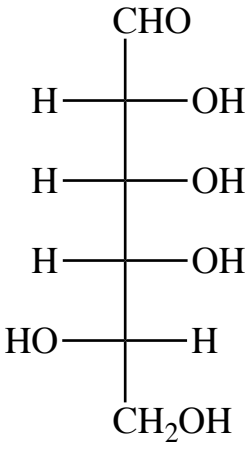












Question Five
Place an asterisk by the stereogenic carbons of the following. Which of these molecules are chiral? What is their stereochemical relationship?

