

Imp. Q. Conversion of aldose to isomeric ketose or Glucose into Fructose.

It involves following steps:-

- (i) Reaction of aldose with excess phenyl hydrazene forming osazone.
- (ii) Hydrolysis of osazone to osazone by dilute HCl.
- (iii) Reduction of osazone into ketose by Zn and acetic acid. In this case aldehyde group is reduced to alcohol but not ketone.

