# Profit Loss Discount and GST

If CP = Cost Price of the Article,

MP= Marked Price of the Article,

SP= Sale Price of the Article

When an article is sold in Profit

then SP > CP

Profit = **SP – CP**

Profit % **= (SP–CP)×100/CP**

**= Profit×100/CP**

When an article is sold in Loss

Then CP > SP

Loss= **CP – SP**

Loss %= **(CP–SP)×100/CP**

**= Loss×100/CP**

Now

Discount = **MP–SP**

Discount % = **(MP–SP)×100/MP**

**= Discount×100/MP**

GST is calculated on Marked Price

If the Marked Price of an article is Rs. a and the GST is r%. Then the Sale Price is

$$\text{Rs.a+} \frac{a \times r}{100}$$