Basis of Scaling :

Subject Mean (m) = $\frac{gt}{n}$ Group Mean (M)= $\frac{GT}{N}$

Standard Devision (SD) = or (sd) $\sqrt{\frac{\sum D^2(sqare\ of deference\ in\ Raw\ Marks)}{N} - \left(\frac{\sum D(deference\ in\ Raw\ Marks)}{N}\right)^2}$

Scaled Marks = $M + \{Raw\ Marks(m1) - Sub.Mean\ (m)\} * \frac{Pooled\ Standard\ Deviation\ (SD)\ of\ all\ Subjects}{Standard\ \ Deviation\ (sd)\ of\ Subject\ Concerned}$

After scaling by above formula, further Standard Normal Distribution function used to normalised marks within 0 to full marks of the subject.

Cut-0ff marks Category Wise-4th CCSME (Written)-2012					
Cat.	*UNR*	*ST*	*SC*	*BC-I*	*BC-II*
Gen	839.299012	632.938035	670.822556	712.879131	739.988765
Female	810.372729	603.876194	545.959645	650.632871	693.120558
HP(loco)	755.500964	510.353717		652.723472	