**Q1.** What will be the length of a meter rod appear to a person travelling parallel to the length of the rod at a speed of 0.8c relative to rod?

**Given:-** =1.0m ; v=0.8c

**Formula :-**

**Solution :-** = 1.0 =0.6m

**Ans:- The apparent length of the rod while in motion is 0.6m.**