**Q6.** The mean life of meson is 2x10-8 sec. calculate the mean life of a meson moving with a velocity 0.8c?

**Given :-**  = 2x10-8; v=0.8c

**Formula:-**

**Solution:-**  =3.3 x 10-8 sec

**Ans:- The mean life is 3.3x10-8sec .**