Problem 4) There is a uniform electric field in X-direction. If the work done by external agent in moving a charge of 0.2 C through a distance of 2 metre slowly along the line making an angle of 60° with X-direction is 4 joule, then the magnitude of E is :

   1) 3N/C
   2) 4 N/C
   3) 5 N/C
   4) 20 N/C

Ans) 4