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Solution : The initial mechanical energy (ME<sub>i</sub>) = The final mechanical energy (ME<sub>f</sub>)  
The initial gravitational potential energy (PE<sub>i</sub>) + the initial kinetic energy (KE<sub>i</sub>) = The final gravitational potential energy (PE<sub>f</sub>) + the final kinetic energy (KE<sub>f</sub>)  
 $7.5 \text{ Joule} + 0 = 0 + KE_f$   
 $7.5 \text{ Joule} = KE_f$   
Kinetic energy of ball at point C = 7.5 Joule. 6.

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