



STEP II, 2015, Q11 EC

Question 11

This was the least popular question on the paper. Many answers to the first part did not give good explanations of the method for obtaining the velocity of A. Similarly, in the second part there were a number of statements such as “conservation of velocity” or “conservation of the modulus of momentum” used to support the answer without sufficient explanation to show that a valid method was being applied. Those candidates who attempted to use the equations of motion under uniform acceleration were unable to reach the solution. Part (iii) was very poorly answered with almost no correct solutions offered. In the final part of the question very few candidates were able to identify the part of the reasoning that led to v not being equal to zero in all of the cases identified.



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