**Answer:** **(C)**   
  
**Explanation:** Applying binary search to calculate the position of the data to be inserted doesn’t reduce the time complexity of insertion sort. This is because insertion of a data at an appropriate position involves two steps:  
1. Calculate the position.  
2. Shift the data from the position calculated in step #1 one step right to create a gap where the data will be inserted.

Using binary search reduces the time complexity in step #1 from O(N) to O(logN). But, the time complexity in step #2 still remains O(N). So, overall complexity remains O(N^2).