**Part 1:**

As seen from chart above, the Boyer-Moore algorithm performs best among the three, while Rabin-Karp algorithm performs worst and about constant time. Performance of Knuth-Morris-Pratt algorithm is about average among three algorithms.

**Part 2:**

Bit-Oriented Approach: -> Total Time: 1545

Aho-Chorasick Algorithm: -> Total Time: 1315

From above timings, we can conclude that Aho-Chorasick Algorithm performs better than its counterpart Bit-Oriented Approach.

**Part 3:**

Above chart concludes that Suffix Tree beats the performance of all three algorithms - Boyer-Moore algorithm, Rabin-Karp algorithm and Knuth-Morris-Pratt algorithm.

Hence, Building a Suffix Tree is considered best approach for String Matching.