Answer2. (a)

According to the Zipf's Law observation states that rank(r) of a word times its frequency (f) is approximately a constant (k) where words are ranked in order of decreasing frequency.

i.e, Rank(r) . Probability(Pr) $\approx$ c, where Pr is probability of word occurrence and c $\approx$ 0.1 for English

From the Table given in **Word frequency Result** document we can easily predict that value of c is coming approximately equal to 0.1 which satisfy the laws.