

**171.** For aggregate losses,  $S$ :

- (i) The number of losses has a negative binomial distribution with mean 3 and variance 3.6.
- (ii) The common distribution of the independent individual loss amounts is uniform from 0 to 20.

Calculate the 95<sup>th</sup> percentile of the distribution of  $S$  as approximated by the normal distribution.

- (A) 61
- (B) 63
- (C) 65
- (D) 67
- (E) 69