

**289.** A compound Poisson distribution has  $\lambda = 5$  and claim amount distribution as follows:

$x$	$p(x)$
100	0.80
500	0.16
1000	0.04

Calculate the probability that aggregate claims will be exactly 600.

- (A) 0.022
- (B) 0.038
- (C) 0.049
- (D) 0.060
- (E) 0.070