

**216.** A random sample of claims has been drawn from a Burr distribution with known parameter  $\alpha = 1$  and unknown parameters  $\theta$  and  $\gamma$ . You are given:

- (i) 75% of the claim amounts in the sample exceed 100.
- (ii) 25% of the claim amounts in the sample exceed 500.

Estimate  $\theta$  by percentile matching.

- (A) Less than 190
- (B) At least 190, but less than 200
- (C) At least 200, but less than 210
- (D) At least 210, but less than 220
- (E) At least 220