

**40.** You are given:

(i) A sample of claim payments is:

29      64      90      135      182

(ii) Claim sizes are assumed to follow an exponential distribution.

(iii) The mean of the exponential distribution is estimated using the method of moments.

Calculate the value of the Kolmogorov-Smirnov test statistic.

(A) 0.14

(B) 0.16

(C) 0.19

(D) 0.25

(E) 0.27