Question #149
Key: A

Only the Kolmogorov-Smirnov test statistic tends toward zero as the sample size goes to infinity. As a consequence, the critical value for the K-S statistic has the square root of the sample size in
the denominator. For the Anderson-Darling and the Chi-square goodness-of-fit test statistics,
the sample size appears in the numerator of the test statistics themselves. The Schwarz Bayesian Criterion involves an adjustment to the likelihood function, which does not go to zero as the
sample size goes to infinity.