

## Question #16

**Key: A**

$${}_3\hat{P}_1 = \frac{18}{27} \frac{26}{32} \frac{20}{25} = \frac{13}{30}. \quad \text{Greenwood's approximation is}$$

$$\left(\frac{13}{30}\right)^2 \left(\frac{9}{18(27)} + \frac{6}{26(32)} + \frac{5}{20(25)}\right) = .0067.$$