

$$\begin{aligned} \textcircled{29} \quad P(\text{lifetime of bulb is } 1150 \text{ h}) &= \frac{0}{80} \\ &= 0 \quad (\text{C}) \end{aligned}$$

$$\begin{aligned} \textcircled{30} \quad P(\text{life of bulb less than } 900 \text{ h}) & \\ &= \frac{10+12+23}{80} \\ &= \frac{45}{80} = \frac{9}{16} \quad (\text{D}) \end{aligned}$$