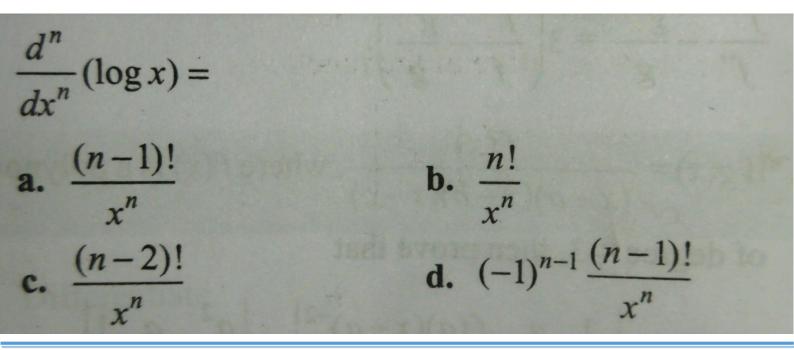
## **PROBLEM**



## **SOLUTION**

**d.** Let  $y = \log x$ . Then,  $y_1 = \frac{1}{x}, y_2 = \frac{-1}{x^2}, y_3 = \frac{2}{x^3}, \dots, y_n = \frac{(-1)^{n-1}(n-1)!}{x^n}.$