Definitions: \( \lambda \), wavelength of light;  
\( L \), slit-screen distance;  
\( \Delta y \), spacing between adjacent maxima.  

Statements:  
(a): A bigger \( L \) leads to a bigger \( \Delta y \).  
(b): A bigger \( \lambda \) leads to a bigger \( \Delta y \).  
(c): A bigger \( d \) leads to a bigger \( \Delta y \).  

Which set of statements is correct?  
A) (a) and (b) only.  
B) (a) and (c) only.  
C) (b) and (c) only.  
D) (a), (b) and (c).  

Maxima occur at the path differences \( \delta = 0, \lambda, 2\lambda, \ldots \) So the adjacent path difference is at \( \Delta \delta = \lambda \), where the small angle approximation gives  
\[
\frac{\Delta \delta}{d} = \frac{\Delta y}{L}, \quad \text{or} \quad \Delta y = \frac{\lambda L}{d}.
\]
This implies (a) is correct, (b) is correct and (c) is incorrect.  
Answer A.