海通堂作業 長期成本 已知障力公司的生產函數為 Q=10L^N5Kⁿ5.且 W=Y=10 (A) 等成本線方程式 (B) 是 據 按 術 替代率 |MRTS|= MFC = 10L+10K = 5L^N5Kⁿ5 = 10 5L^N5Kⁿ5 =

(D) 條件專奏需求函數 \$ \alpha = f(K,L) - 0 \(\text{MPL} = \text{MPK} \)
\(\text{Q} = 10L^{0.5} K^{0.5} \)
\(\text{MR} = \text{MPK} \)
\(\text{Q} = 10L^{0.5} K^{0.5} \)
\(\text{S} = \text{L^{0.5}} K^{0.5} \)
\(\text{L^{0.5}} = \text{L^{0.5}} K^{0.5} \)
\(\text{L^{0.5}} = \text{K^{0.5}} K^{0.5} \)
\(\text{L^{0.5}} = K^{0.5} (E) 總成本、平均成本、邊豫成本函數 $= L^* = K^* = 0.1 \, Q$ $TC = 10 \times 0.1 \, Q + 10 \times 0.1 \, Q$ $= 2 \, Q$ $AC = \frac{TC}{Q} = \frac{2Q}{Q} = 2$ $MC = \frac{dTC}{dQ} = 2$

[刊生產 10單位 財最低成本級? TC = 2×10 = 20