

隨堂 7

ANS

(A) $c = 10L + 10K$

(B) $MRTS_{LK} = K/L$

(C) $L \uparrow, K \downarrow$ 時, $MRTS_{LK}$ 下降, 故等產量線凸向原點

(D)
$$\begin{cases} \frac{K}{L} = \frac{10}{10} \\ q = 10L^{0.5} K^{0.5} \Rightarrow L^* = K^* = 0.19 \end{cases}$$

(E) $TC = 2q, AC = MC = 2$

(F) $TC(10) = 2 \times 10 = 20$