

期中考

CCBBD DDAAO OAPCB C

(四)

(A) $AVC = 10q$ 短期A停業價格 = 0

(B) $P = MC = 40q$ $q = 0.025P$ 廠商

$Q_s = 400$ $q = 5P$ 產業

(C) $Q_s = 5P$ $Q_d = 4000 - 5P$ $P_0 = 400$

$q_0 = 10$

$\pi_0 = 400 \times 10 - 10(10)^2 - 1000 = 2000$

$PS = \pi_0 + FC = 2000 + 1000 = 3000$

(D) $Q_s = 5P$ $Q_d = 6000 - 5P$

$P_1 = 600$

$q_1 = 10\sqrt{2}$

$\pi_1 = 600 \times 10\sqrt{2} - 10(10\sqrt{2})^2 - 1000 = 6000\sqrt{2} - 3000$

(E) LAL本動 新長期均衡價格 $\Rightarrow P_L = 400$ 量 $q = 10$ 產業均衡數量 4000
廠商數目 = $\frac{4000}{10} = 400$

(五) (A) $AFC = FC / q = \frac{100}{5} = 20$

(B) $AVC = q^2 - 12q + 1 \Rightarrow dAVC/dq = 2q - 12 = 0$ $q = 6$

(C) $q \geq 6$

(D) $MC = 3q^2 - 24q + 1 \Rightarrow dMC/dq = 6q - 24 = 0$ $q = 4$

$MC \uparrow$ $IMPL \downarrow$ $P \geq 4$