

5.(3)

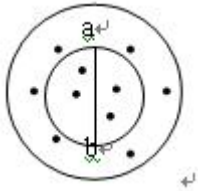
\bar{B}

ab

\bar{B}

B

I



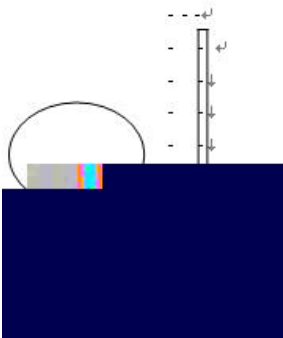
- A $a < b$
 C $I = 0$

- B $b < a$
 D $I = 0$

6.(3)

ϵ

I



- A $\epsilon = 0 \quad I = 0$
 C $\epsilon \neq 0 \quad I \neq 0 \quad I$

- B $\epsilon \neq 0 \quad I = 0$
 D $\epsilon \neq 0 \quad I \neq 0 \quad I$

7.(3)

- A
 C

- B
 D

8.(3)

7.(3)

η

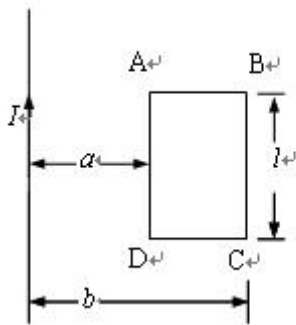
$$w = \frac{T_2}{T_1 - T_2} \quad \eta \quad w \quad \underline{\hspace{2cm}}$$

1.(15)

$$I = I_0 \dot{\phi} \omega t$$

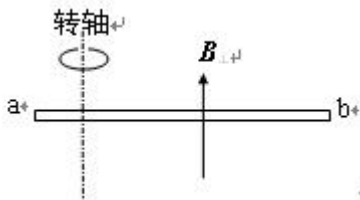
$ABCD$

- 1 l $b-a$ $ABCD$ Φ
- 2 $ABCD$ ε_i



2.(15) 50 c

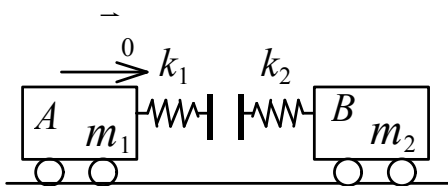
$$\vec{B}_\perp \quad 0.50 \times 10^{-4} \text{T} \quad a \quad b$$



3.(15)

$A \quad B$

$$\begin{matrix} m_1 & m_2 & B \\ k_1 & k_2 & \end{matrix}$$



4.(15)

$m = 2 \text{ g}$

A

$\alpha = 30$

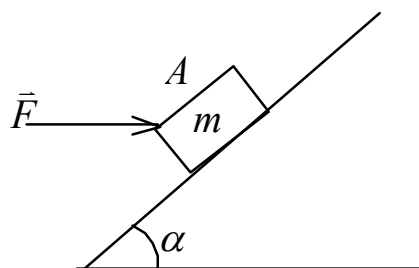
A

$\mu = 0.2$

$F = 19.6 \text{ N}$

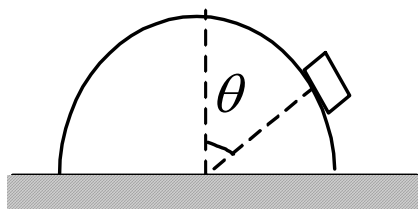
A

A



5.(15)

θ



6.(15)

1.0

27°C

$20 \text{ L} ()$

$(R = 8.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1})$

(1) $p-V$

(2)

(3)

(4)

7.(15)

()

400 K

300 K

8000 J

10000 J

(1)

(2)