

[ I ]

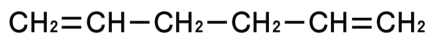
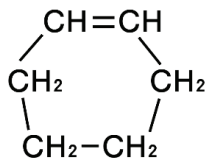
- |   |                     |          |
|---|---------------------|----------|
| ( i ) 問 (A) (オ)   | (B) (オ)             | (C) (エ)  |
| (D) (カ)   | (E) 0.32 mol/kg     |          |
| ( ii ) (1) (エ)  | (2) (ク)             | (3) (イ)  |
| (4) (イ)   | (5) (イ)             | (6) (ア)  |
| (7) (ア)   | (8) $K_4[Fe(CN)_6]$ | (9) (ウ)  |
| (10) (カ)  | (11) (エ)            | (12) (ク) |
| ( iii ) (1) (イ)   | (2) (エ)             | (3) (ケ)  |
| (4) (ケ)   | (5) $MnO_4^-$       | (6) (カ)  |
| (7) $2MnO_4^- + 6H^+ + 5H_2O_2 \rightarrow 2Mn^{2+} + 8H_2O + 5O_2$ | (8) 6.4             |          |

[ II ]

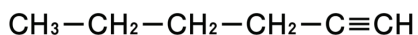
- |                      |                  |                     |
|----------------------|------------------|---------------------|
| ( i ) (1) 蒸気圧        | (2) 三重点          | (3) 臨界点             |
| (4) (カ)              | (5) (イ)          | (6) 昇華              |
| (7) (エ)              | (8) $ax$         | (9) $\frac{b}{a+b}$ |
| ( ii ) (1) $3C_{A0}$ | (2) $0.75C_{A0}$ | (3) 0.125           |
| (4) 0.625            | (5) 1.6          | (6) $0.40C_{A0}$    |
| (7) 0.32             |                  |                     |

[ III ]

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|----------------|---------|---------|
| ( i ) (1) (ア)  | (2) (ア) | (3) (イ) |
| (4) (イ)        |         |         |
| ( ii ) (1) (カ) | (2) (コ) | (3) (ア) |
| (4) (イ)        | (5) (ア) | (6) (ア) |
| (7)            | (8)     |         |



(9)



- |               |          |           |
|---------------|----------|-----------|
| (iii) (1) (カ) | (2) (キ)  | (3) (イ)   |
| (4) (ウ)       | (5) (サ)  | (6) (イ)   |
| (7) (ウ)       | (8) (カ)  | (9) (イ)   |
| (10) (エ)      | (11) (ウ) | (12) 熱可塑性 |
| (13) (シ)      | (14) (キ) | (15) (サ)  |
| (16) (ウ)      | (17) (セ) |           |