

化学 関西大学 全学日程 (2/2実施)

〔I〕

- (i) 問(A) (1) (カ) (2) (ケ) (3) (オ)  
 問(B) (1) (ス) (2) (セ) (3) (ソ) (4) (キ) (5) (ク) (6) (ウ)  
 問(C) (1) (ウ) (2) (キ) (3) (ク) (4) (カ) (5) (オ) (6) (キ)
- (ii) (1) (ウ) (2) (カ) (3) (ケ) (4) 448
- (iii) (1)  $5.0 \times 10^{-3}$  (2)  $5.0 \times 10^{-4}$  (3)  $4.5 \times 10^{-2}$  (4) 1.3 (5) (エ)  
 (6) 3.0 (7) 10.8 (8) (オ)

〔II〕

- (i) 問(A) (ア)  
 問(B) (1) (イ) (2) (イ) (3) 蒸気圧降下  
 問(C) (オ)  
 問(D) (1) (イ) (2) (ア)
- (ii) (1) (オ) (2) (ウ) (3)  $\text{CH}_4 + 2\text{O}_2 \rightarrow \text{CO}_2 + 2\text{H}_2\text{O}$   
 (4)  $2\text{C}_2\text{H}_2 + 5\text{O}_2 \rightarrow 4\text{CO}_2 + 2\text{H}_2\text{O}$  (5)  $\text{CO}_2$  (6)  $m_1 + 2m_2$  (7)  $m_3 - 2m_1 - 2.5m_2$   
 (8) (サ)

〔III〕

- (i) 問(A) (1) (ウ) (2)  $\text{CH}_3-\text{CH}_2-\text{CH}_2-\overset{\text{H}}{\underset{\text{Cl}}{\text{C}^*}}-\text{CH}_3$
- 問(B) (1) (ウ) (2) (キ) (3) (カ) (4) (ク) (5) (オ) (6) (カ)
- (ii) (1) (ウ) (2) (イ) (3) (エ) (4)  $\text{CH}_3-\text{CH}_2-\text{CH}_2-\overset{\text{H}}{\underset{\text{OH}}{\text{C}^*}}-\text{CH}_3$
- (5)  $\text{CH}_3-\overset{\text{CH}_3}{\underset{|}{\text{CH}}}-\text{CH}_2-\overset{\text{O}}{\underset{||}{\text{C}}}-\text{H}$
- (iii) (1) (ウ) (2) (オ) (3) (ウ) (4) (オ) (5) (サ) (6) 510 (7) 96  
 (8) (イ) (9) (イ) (10) (コ)