

化学 関西大学 全学日程 (2/2実施)

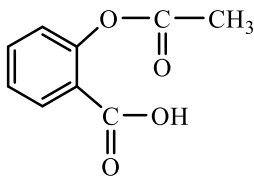
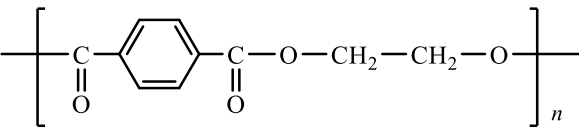
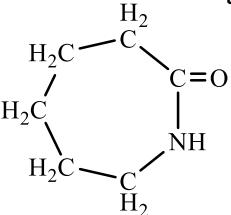
[1]

- (i) (1) (イ) (2) (ア) (3) (ウ) (4) (ウ) (5) (エ) (6) (カ) (7) (カ)
 (8) $\frac{2M}{N_A L^3}$ (9) 0.71 (10) (カ)
- (ii) (1) (オ) (2) (ウ) (3) (イ) (4) (エ) (5) (ア) (6) $[\text{Cu}(\text{NH}_3)_4]^{2+}$
 (7) $[\text{Al}(\text{OH})_4]^-$ (8) $(\text{mol/L})^2$ (9) 1.7×10^{-24}
- (iii) (1) BaCO_3 (2) $\text{Ba}(\text{OH})_2 + 2\text{HCl} \rightarrow \text{BaCl}_2 + 2\text{H}_2\text{O}$ (3) 6.0×10^{-3} (4) 5.0

[II]

- (i) (1) (イ) (2) (カ) (3) (ク) (4) (カ) (5) (カ) (6) (イ)
 (7) 5.6×10^{-4} (8) 3.0×10^{-4} (9) 6.6×10^{-3}
- (ii) (1) (ウ) (2) ヘス (3) (オ) (4) (サ) (5) (ケ) (6) (ク) (7) 363
- (iii) (1) (エ) (2) (コ) (3) (イ) (4) $2\text{SO}_2 + 2\text{H}_2\text{O}$ (5) 0.60 (6) 0.50
 (7) 0.56

[III]

- (i) (1) (カ) (2) (エ) (3) $\text{C}_5\text{H}_{10}\text{O}_2$ (4) $\text{H}_3\text{C}-\overset{\text{CH}_3}{\underset{\text{CH}_3}{\text{C}}}-\overset{\text{O}}{\parallel}{\text{C}}-\text{OH}$
 (5) $\text{H}-\overset{\text{O}}{\parallel}{\text{C}}-\text{O}-\underset{\text{CH}_3}{\text{CH}}-\text{CH}_2-\text{CH}_3$ (6) $\text{H}_3\text{C}-\text{CH}_2-\overset{\text{O}}{\parallel}{\text{C}}-\text{O}-\text{CH}_2-\text{CH}_3$
- (ii) (1) (ア) (2) (エ) (3) (カ) (4) (ウ) (5) (オ) (6) 
 (7) 90
- (iii) (1) (ク) (2) (ウ) (3) 
 (4) (コ) (5)  (6) (ア) (7) (シ) (8) 200