

〔I〕

(i) (1) 問 (A) (エ) 問 (B) (イ) 問 (C) (カ)
問 (D) 1.1 [g]

(ii) (1) 原子核 (2) 8 (3) 18
(4) (エ) (5) (コ) (6) 価電子
(7) (オ) (8) (ウ) (9) (サ)
(10) 146

(iii) (1) (エ) (2) (ア) (3) (カ)
(4) Si (5) (エ) (6) (オ)
(7) $\frac{96}{N_A}$ (8) $\frac{96}{a^3 d}$ (9) (ウ)
(10) (サ)

〔II〕

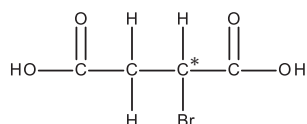
(i) (1) $\frac{[\text{NH}_4^+][\text{OH}^-]}{[\text{NH}_3]}$ (2) (ウ) (3) (キ)
(4) (イ) (5) 4.0×10^{-6} (6) 8.6
(7) (エ) (8) 8.7

(ii) (1) (ウ) (2) (オ) (3) (ウ)
(4) (ク) (5) 75 (6) (イ)
(7) 0.60

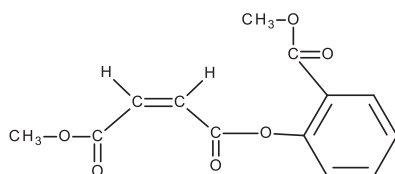
〔III〕

- (i) (1) 問 (A) (ア) ((ウ) も可)
問 (B) (カ)

- (ii) (1) (キ) (2) (カ) (3) (ウ)
(4) ナトリウムフェノキシド (5) (セ)
(6) (シ) (7) $[\text{Ag}(\text{NH}_3)_2]^+$ (8) (タ)
(9) Ag (10) NH_3 (11) (カ)
(12) (13) (ソ)



(14)



- (iii) (1) (キ) (2) (イ) (3) (カ)
(4) (オ) (5) (エ)
(6) (7) (セ) (8) (ス)

