

[I]

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
A	(工)	(ア)	(ア)	(イ)	(ア)	(イ)	(工)	(ウ)	(工)	(才)
B	(才)	(ウ)	(イ)	(ウ)	(才)	(工)	(ウ)	(ウ)	(才)	(ア)

[II]

(1) 問1 (1) Cu (2) Ag (3) Cu (4) Pb

問2 負極: $\text{Cu} \longrightarrow \text{Cu}^{2+} + 2\text{e}^-$

正極: $\text{Ag}^+ + \text{e}^- \longrightarrow \text{Ag}$

問3 (力)

問4 (ア), (工)

問5 0.93 V

(2) 問6 1.7×10^{-2} mol

問7 3.3×10^3 C

問8 2.4×10^3 J

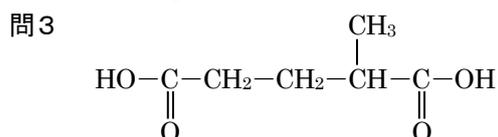
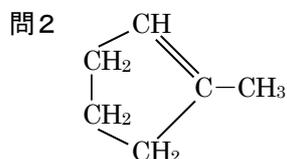
問9 $4.9 \times 10\%$

問10 (イ)

問11 負極: $\text{CH}_3\text{OH} + \text{H}_2\text{O} \longrightarrow \text{CO}_2 + 6\text{H}^+ + 6\text{e}^-$

正極: $\text{O}_2 + 4\text{H}^+ + 4\text{e}^- \longrightarrow 2\text{H}_2\text{O}$

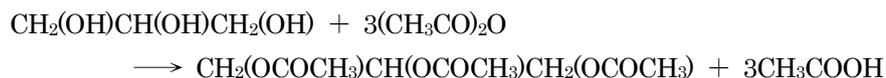
〔Ⅲ〕

(1) 問1 C_6H_{10} 

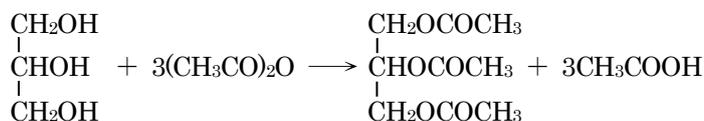
問4 (ア), (イ), (エ)

問5 ヘキサメチレンジアミンの分子数: 2.00×10^2 アミド結合の数: 3.99×10^2 (2) 問6 $C_3H_8O_3$ 

または



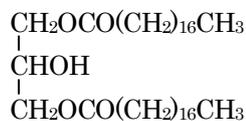
または

問8 $\text{CH}_3(\text{CH}_2)_{16}\text{COOH}$ または $\text{C}_{17}\text{H}_{35}\text{COOH}$ 問9 $\text{C}_{18}\text{H}_{30}\text{O}_2$ 問10 $\text{CH}_2(\text{OCO}(\text{CH}_2)_{16}\text{CH}_3)\text{CH}(\text{OH})\text{CH}_2(\text{OCO}(\text{CH}_2)_{16}\text{CH}_3)$

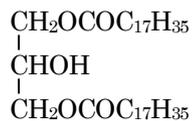
または



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本題のカルボン酸は脂肪酸とみなして解答した。