

2025年度青山学院大学一般選抜（個別学部日程）

理工学部A方式

化学

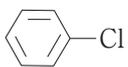
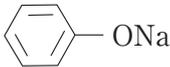
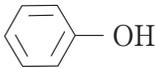
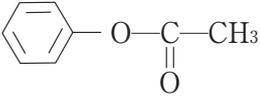
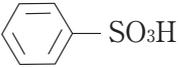
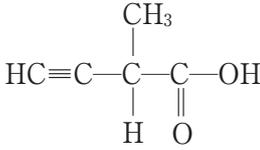
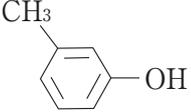
【マーク式の正解】 □数字はマーク式の解答番号欄、丸数字は正解。

| | | | | | |
|-----------|------|------|------|------|------|
| I | 1 3 | 2 2 | 3 1 | 4 5 | 5 6 |
| | 6 8 | 7 7 | 8 0 | 9 6 | 10 0 |
| | 11 8 | 12 2 | 13 3 | 14 9 | 15 5 |
| | 16 0 | 17 2 | 18 1 | 19 8 | 20 8 |
| | 21 4 | 22 0 | 23 2 | 24 1 | 25 4 |
| | 26 1 | 27 6 | 28 2 | 29 7 | |
| II | 30 5 | 31 1 | 32 0 | 33 5 | 34 4 |
| | 35 0 | 36 1 | | | |

【記述式の正解】

以下は標準的な解答例であり、別解がある場合があります。

| | | | |
|-----------|-----|--|------------------------------|
| II | 問 1 | (1) | (2) |
| | | 1.5×10^{-1} (mol/L) | 4.0×10^{-1} (mol/L) |
| | | (3) | |
| | | 2.5×10^1 (mL) | |
| | | (4) | |
| | | $\text{NaOH} + \text{HCl} \longrightarrow \text{NaCl} + \text{H}_2\text{O}$ $\text{Na}_2\text{CO}_3 + \text{HCl} \longrightarrow \text{NaCl} + \text{NaHCO}_3$ | |
| | | (5) | |
| | | $\text{NaHCO}_3 + \text{HCl} \longrightarrow \text{NaCl} + \text{H}_2\text{O} + \text{CO}_2$ | |
| | | (6) | (7) |
| | | 1.0×10^{-1} (mol/L) | 1.5×10^{-3} (mol) |

| | | (1) | (2) | |
|-----|-----|---|--|---|
| | | $C_{12}H_{12}O_2$ | C_7H_8O | |
| (3) | | | | |
| III | A |  |  | |
| | C |  |  | |
| | E |  |  | |
| | (4) | | | |
| | | |  |  |