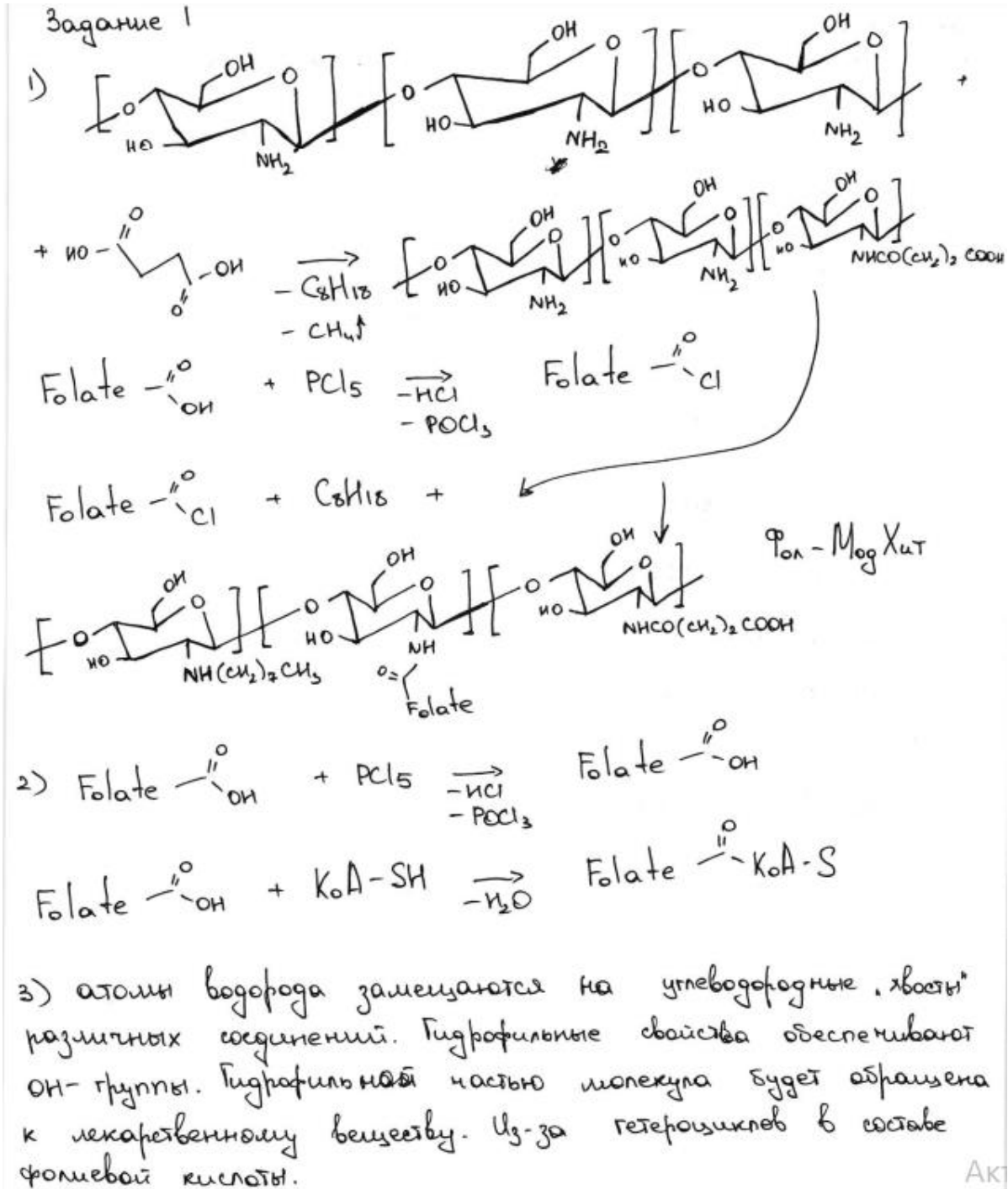


Задание 1 — 17 баллов



Задание 2 — 0 баллов

Задание 2.

$$1) \quad 10\% - 1,55 \cdot 10^{-6}$$

$$1\% - ?$$

$$1\% = 1,55 \cdot 10^{-7}$$

$$T = t_2 - t_1 + 273 = 323 \text{ K}$$

$$k = k_0 e^{-\frac{E_a}{RT}}$$

$$5,335 \cdot 10^{-6} = 1,55 \cdot 10^{-7} e^{-\frac{E_a}{8,314 \cdot 323}}$$

$$34,42 e^{-\frac{E_a}{2685,422}}$$

$$E_a = 2,4 \cdot 10^{18}$$

2) Срок годности:

$$\frac{1,55 \cdot 10^{-6}}{5,49 \cdot 10^{-5}} = \frac{x}{60}$$

$$5,49 \cdot 10^{-5} x = 9,3 \cdot 10^{-5}$$

$$x = 1,7$$

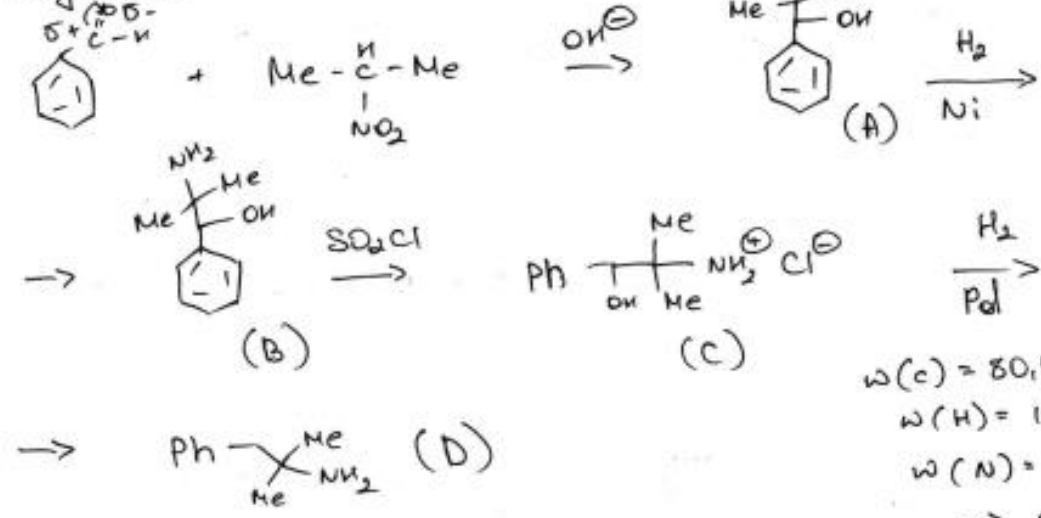
$$10\% - 5,49 \cdot 10^{-5}$$

$$1\% - ?$$

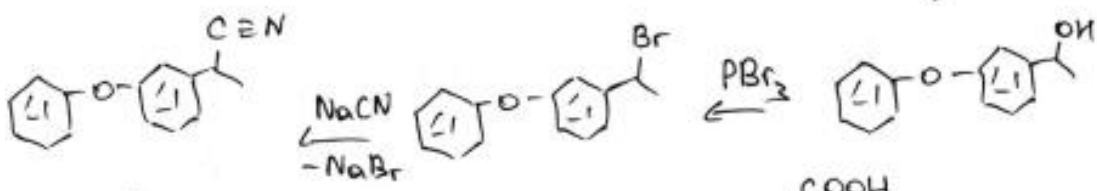
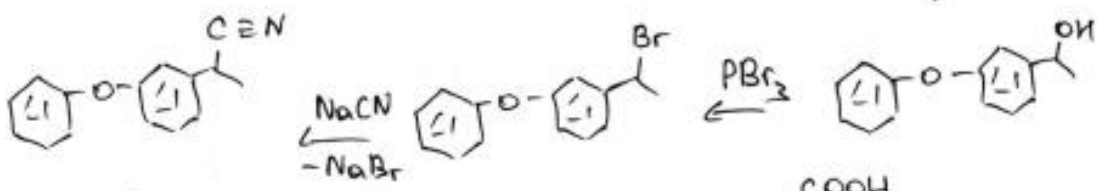
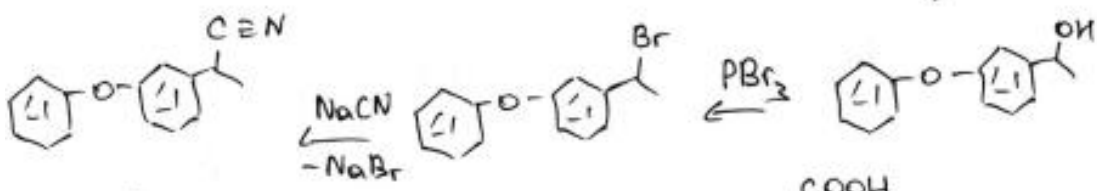
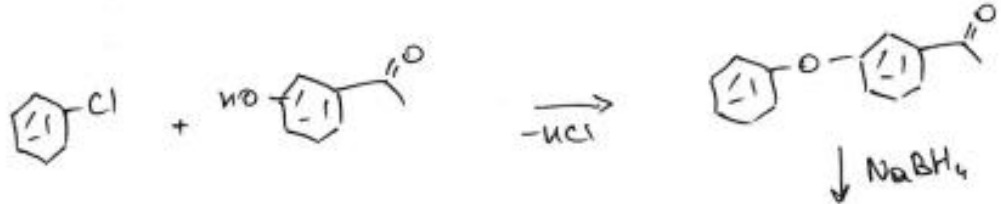
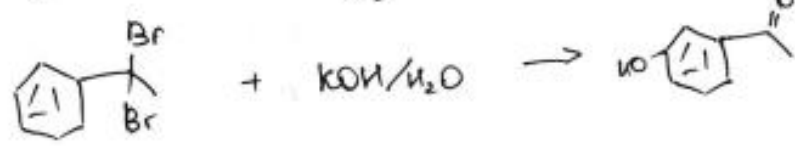
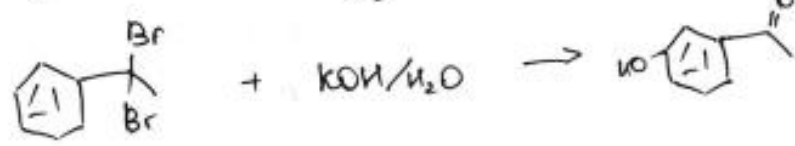
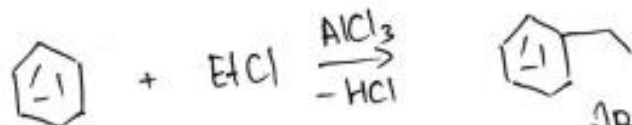
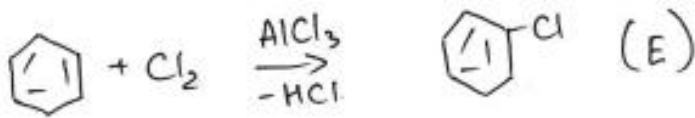
$$1\% = 5,49 \cdot 10^{-6}$$

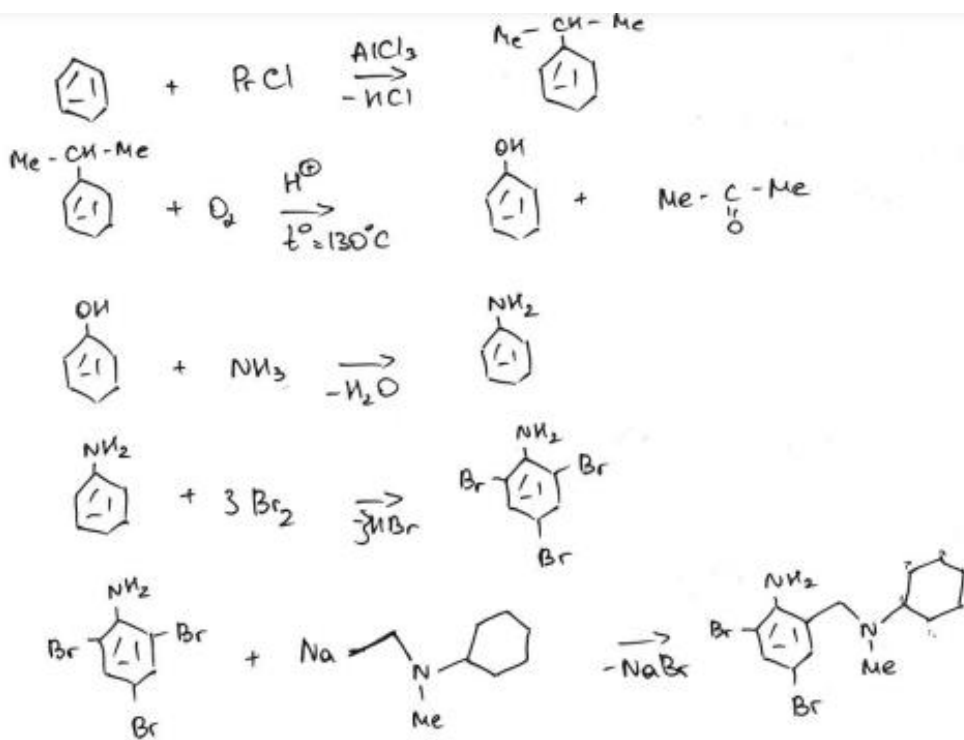
Задание 3 — 8 баллов

Задание 3



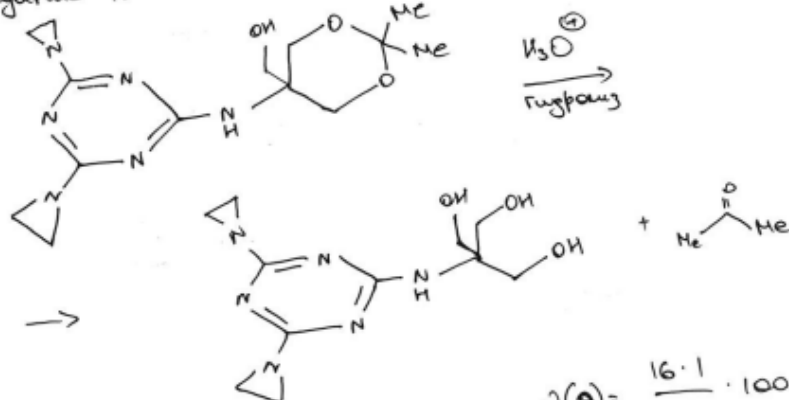
$\omega(C) = 80,5\%$
 $\omega(H) = 10,1\%$
 $\omega(N) = 9,4\%$ \Rightarrow
 $\rightarrow C_{10}H_{15}N$
 стиль пропиона





Задание 4 — 20 баллов

Задание 4.



$$w(\text{a}) = \frac{Ar(\text{a}) \cdot n}{M(\text{b})} \cdot 100\%$$

$$w(\text{a}) = \frac{16 \cdot 3}{282} \cdot 100\% = 17,02\%$$

$$w(\text{b}) = \frac{16 \cdot 1}{58} \cdot 100\% = 27,6\%$$

4

Реагент X - это ацетон CC(=O)C

Задание 5 — 17,5 баллов

Задание 5

