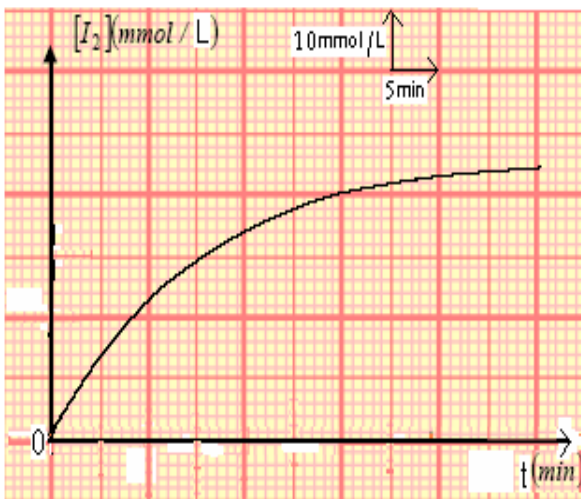
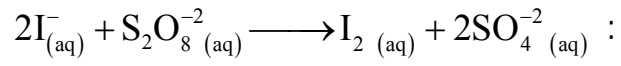


-		
10 - 8 :	:	3:

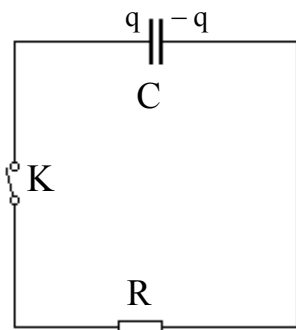
3 :



t = 30 min , t = 0 min

I₂
·
:
-
- 1
- 2

. R = 1 kΩ



u_C

u_C

u_R

· →

· y₁

u_C

()

. 2

. τ

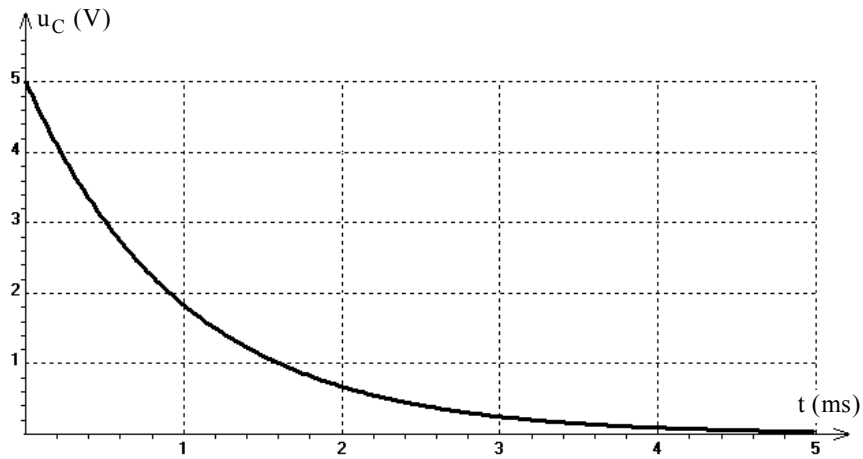
$$u_C = E \cdot e^{\left(-\frac{t}{\tau}\right)} :$$

. 3

t = 0

. 4

:



$$u_C = 1,85 \text{ V}$$

$$t = \tau$$

τ

C

5 :

AH

$$C_B = 2 \cdot 10^{-2} \text{ mol/l}$$

$$C_A = 2,88 \cdot 10^{-2} \text{ mol/l}$$

V_B

$V_A = 10 \text{ ml}$

- 1

25°C

- 2

.4

pH

$V_B = 7,2 \text{ ml}$

$[\text{H}_3\text{O}^+]$

/ 1- 2

) $n_f(\text{OH}^-)$

$[\text{OH}^-]$

/ 2- 2

.(

/ 3- 2

/ 4- 2

. AH/A⁻

pK_a

/ 5- 2

$$pK_a(\text{AH} / \text{A}^-) = 4 \quad 25^\circ\text{C} \quad K_e = 10^{-14} :$$

5 :

$$h = 7800\text{m}$$

$$V_0 = 450\text{km/h}$$

$$t_A = 0$$

O A

.OC O C

$\vec{i}, \vec{j} (O,)$

.m/s V_0

- 1

C

- 2

A

- 3

C

$$g = 9,80 \text{ N/kg}$$

