

2011 -			
A/2	10 - 8 :	:	3:

5 :

$h = 7800m$

$V_0 = 450km/h$

$t_A = 0$



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

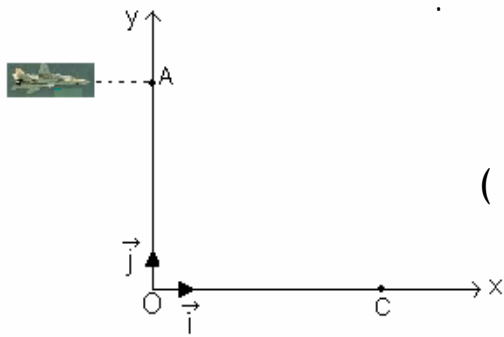
$.m/s \quad V_0 \quad - 1$

$C \quad - 2$

$(\quad) A \quad - 3$

C

$.g = 9,80 N/kg$



6 :

$C = 0,25\mu F$

$t_0 = 0$

$(\quad) \quad r \quad L$

$Uc(t) \quad 1$

- 1

1

$Uc (t) \quad - 2$

$T \quad 1 \quad - 3$

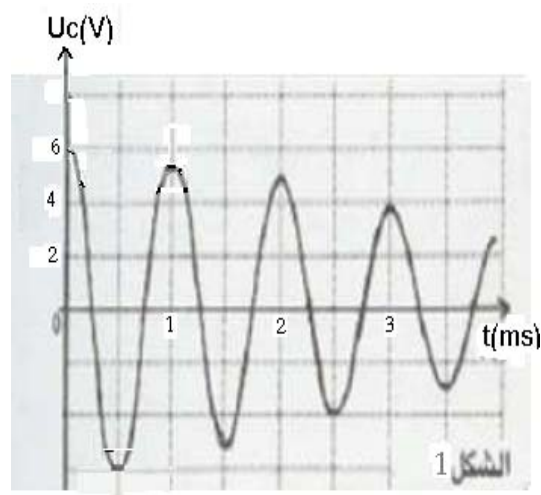
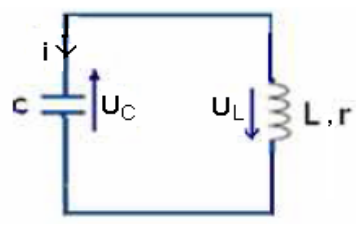
$r \quad - 4$

$Uc (t) \quad -$

-

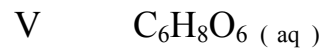
$T_0 \quad T$

$.E = 6V$



4,5 :

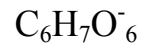
$$C_1 = 10^{-2} \text{ mol / l}$$



$$.3,01 \quad 25^\circ C$$

PH

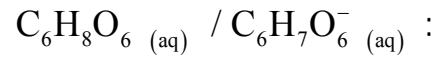
- 1



- 2

τ

- 3



4,5 :

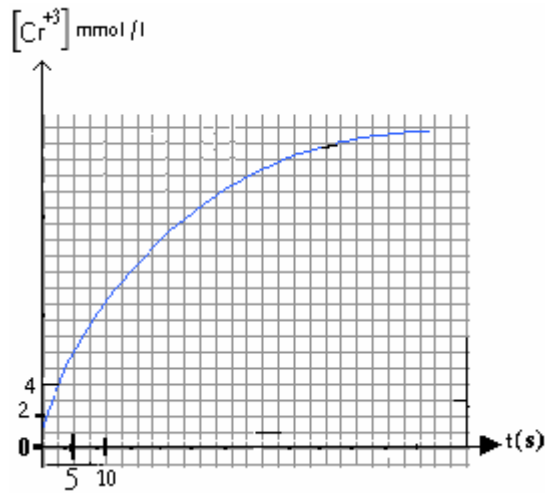
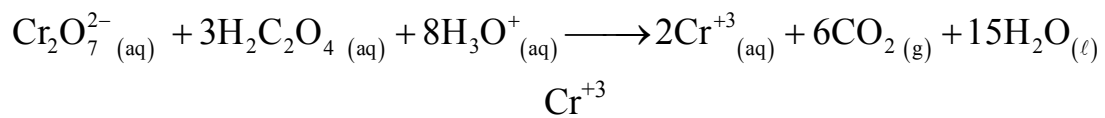
$$V = 100 \text{ ml}$$

$$V' = 100 \text{ ml}$$

$$C = 0,08 \text{ mol/l}$$

$$.C' = 0,02 \text{ mol / l}$$

:



:

$$.t = 40 \text{ s}$$

-1

-2

$$t^{1/2}$$

-3