Subiectul D. OPTICA

Nr. item	Soluţie/Rezolvare
III.a.	$\varepsilon = h\nu$ $\nu = 5{,}45 \cdot 10^{14}\, Hz$
b.	$N = \frac{q}{e}$ $q = I \cdot \Delta t$ $N = \frac{I \cdot \Delta t}{e}$ $N = 6{,}25 \cdot 10^{15}\, el/s$
c.	$L_{ex} = \varepsilon - E_{c\max}$ rezultat final: $L_{ex} = 2{,}8 \cdot 10^{-19}\, J$
	$L_{ex} = h\frac{c}{\lambda_0}$ $\lambda_0 = h\frac{c}{h\nu - E_{c\max}}$ $\lambda_0 \cong 707 nm$